

**City of Galveston
Brownfields Site Assessment Pilot Project
VCP Number G-17
Remediation Plan
For
600 51st Street (Former Black Wrecker Site)**

Background

The former Black Wrecker Site at 600 51st Street in Galveston, Texas was foreclosed on for delinquent property taxes and conveyed by Sheriff's deed to the City of Galveston on December 8, 1997. The City holds the property in trust for all taxing entities. The property was apparently contaminated by the wrecker lot activities performed by Theresa Black, the former owner. The Texas Natural Resource Conservation Commission (TNRCC) was aware of the contamination, and urged the taxing entities to consider enter the Voluntary Cleanup Program (VCP) to remediate the contamination.

Assistant City Attorney Robert Gervais contacted the City's Brownfield Site Assessment Pilot Project (BSAPP) in December 1998, about entering the site into the brownfields program to assist in the process. As the site is located in the Old Central/Carver Park area, a focus area for the BSAPP program, and is a publicly owned site, it was accepted into the BSAPP. The BSAPP Project Coordinator, KMA Environmental Services, Inc. (KMA), coordinated the project efforts at the site, and the dealings with the U.S. EPA and TNRCC. On behalf of the BSAPP, KMA applied to the TNRCC VCP for site assessment services for the site. TNRCC, through their contractor, IT Corporation, provided an updated Phase I Environmental Site Assessment (ESA), a Phase II ESA, and a Brownfields Site Assessment. These reports were submitted in January 2000.

The TNRCC VCP Brownfields Coordinator, Mr. Byron Ellington, reviewed the documents and assigned the site a VCP number (G-17). Additionally, the U.S. EPA's Region 6 Superfund Emergency Response group, through their contractor Ecology and Environment, provided hazardous characterization of the waste liquid containers remaining on site.

It was noted that insufficient data was collected in the Phase II ESA to determine the lateral and vertical extent of the contamination. Therefore, the TNRCC directed IT Corporation to collect additional field data. Thirty eight samples from fifteen boring locations were collected and analyzed for lead; four samples for TPH; six samples for volatile organic compounds; six samples for semivolatile organic compounds; six for total recoverable TPH, and six for the metals arsenic, barium, chromium, and lead. Three samples were also collected for Synthetic Precipitation Leaching Procedure (SPLP) metals analysis. One sample was collected from Drum-1A for Toxicity Characteristic Leaching Procedure (TCLP) analysis.

IT Corporation submitted analytical summary tables, sample location drawings, and the laboratory data packages to the TNRCC VCP Section and to the BSAPP Coordinator on April 3,

929405

51st Street Remediation Plan



2000. This information was used to identify the areas and contaminants of concern as discussed below. A copy of this submittal is attached to this report.

Findings of the Assessments

- Two areas of the site were found to be contaminated with lead in the shallow soils (0 to 2 feet) at levels exceeding the groundwater protection value of 150 mg/kg.
- Two areas of the site were found to be contaminated with Total Petroleum Hydrocarbons (TPH) in the shallow soils (0 to 1 foot) at levels exceeding the commercial/industrial soil Protective Concentration Level (PCL) for both human exposure and groundwater protection of 2,300 mg/kg.
- One additional area just behind the concrete pad was noted to be visibly stained with oil and grease.

The five areas of concern are listed below and shown on the attached figures:

<u>Location/Boring Number</u>	<u>Contaminant of Concern</u>	<u>Approximate Area of Excavation</u>
• Area 1 B5A	Lead @ 193.107 mg/kg	15' x 15' x 2' = 17 cubic yards
• Area 2 B15	Lead @ 250 mg/kg	15' x 15' x 2' = 17 cubic yards
• Area 3 B3	TPH @ 22,130 mg/kg	15' x 15' x 1' = 9 cubic yards
• Area 4 B7	TPH @ 11,030 mg/kg	15' x 15' x 1' = 9 cubic yards
• Area 5 – Oily Area Behind Concrete Pad		30' x 15' x 1' = 17 cubic yards

Remediation Plan

The drums, tires, and other miscellaneous debris will be removed by the City of Galveston and disposed of through the City's Recycling Center. Disposal cost and options were identified and discussed in the Environmental Site Assessment Reports (**KMA Environmental Services, Inc. January 11, 2000**).

Areas 1 and 2 were identified to have lead contamination exceeding the 150 mg/kg regulatory level. These areas will be excavated to a depth of 2-feet. Confirmation samples will be collected from the 4 side walls of each excavated area, and 1 composite sample will be collected from the bottom of each excavated area. The samples will be delivered to the analytical laboratory for total lead analysis. If the results indicate that the contaminated material has been removed, the area will be backfilled with clean imported clay material and compacted. If the results indicate that contamination exceeding the regulatory level remains, additional excavation and confirmation sampling will be conducted.

Areas 3 and 4 were identified to have TPH contamination exceeding the 2,300 mg/kg regulatory level. Area 5 is stained with oil and grease. These areas will be excavated to a depth of 1-foot. Confirmation samples will be collected from the side-walls and bottoms of each area as described above. After reviewing the analytical results, and it can be shown that the contaminated material has been removed, these areas will be backfilled and material compacted.

The excavated material will be placed in 15 cubic-yard roll-off containers and will remain covered at all times. Two composite soil samples will be collected for waste characterization. The disposal contractor requires the soils be analyzed for benzene, toluene, ethylbenzene, xylenes, TPH, and Toxicity Characterization Leaching Procedure (TCLP) Metals.

Based on the waste characterization, the soil will be transported to the appropriate landfill.

A final report will be submitted to the TNRCC, U.S. EPA, and the City of Galveston. Upon successful completion of the project, the TNRCC will issue a "Certificate of Completion" to the City. This Certificate of Completion will allow the City to transfer title of the property to a purchaser with no future liability concerns.

Cost Estimate

A detailed cost estimate has been prepared based on estimated quantities of excavated material, and assuming that the material is non-hazardous. It should be noted that the final cost will depend on the total volume of material that requires excavation and the final disposal location of the material. The cost estimate is attached.

City of Galveston
Brownfields Site Assessment Pilot Project
VCP Number G-17
Remediation Plan Cost Estimate
600 51st Street (Former Black Wrecker Site)

Analytical - confirmation	10	Lead	\$ 27.00	per sample	\$ 270.00	10% mu	\$ 297.00
	15	TPH	\$ 80.00	per sample	\$ 1,200.00	10% mu	\$ 1,320.00
Analytical - disposal	2	BTEX	\$ 35.00	per sample	\$ 70.00	10% mu	\$ 77.00
	2	TPH	\$ 55.00	per sample	\$ 110.00	10% mu	\$ 121.00
	2	TCLP Metals	\$ 140.00	per sample	\$ 280.00	10% mu	\$ 308.00

Subtotal Analytical \$ 2,123.00

Truck Rental	8	days	\$ 75.00	per day	\$ 600.00	0% mu	\$ 600.00
Courier Services	4	shipments	\$ 22.00	per shipment	\$ 220.00	10% mu	\$ 242.00
Roll - Off Box Rental	7	boxes	\$ 9.00	per day/box	\$ 504.00	10% mu	\$ 554.40
Roll - Off Box Mobilization	7	boxes	\$ 150.00	per box	\$ 1,050.00	10% mu	\$ 1,155.00
Roll - Off Box Liners	7	liners	\$ 15.00	per liner	\$ 105.00	10% mu	\$ 115.50
Roll - Box Tax	7	boxes	\$ 21.00	per box	\$ 147.00	10% mu	\$ 161.70
Back-Hoe Loader	2	weeks	\$ 535.00	per week	\$ 1,070.00	10% mu	\$ 1,177.00
Back-Hoe Tax	2	weeks	\$ 45.00	per week	\$ 90.00	10% mu	\$ 99.00
Mob/Demob	2	mobs	\$ 50.00	per mob	\$ 100.00	10% mu	\$ 110.00
FOG	50	gl/day x 7 days	\$ 1.50	per gal	\$ 525.00	10% mu	\$ 577.50

Subtotal Equipment \$ 4,792.10

Clay Backfill	97	cubic yards	\$ 42.00	per yard	\$ 4,074.00	10% mu	\$ 4,481.40
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Haul to Disposal Facil.	7	deliveries	\$ 300.00	per delivery	\$ 2,100.00	10% mu	\$ 2,310.00
Disposal Cost (Class I)	18	cubic yards	\$ 42.00	per yard	\$ 756.00	10% mu	\$ 831.60
State Fee	78	cubic yards	\$ 6.00	per yard	\$ 468.00	10% mu	\$ 514.80
Disposal Cost (Class II)	48.5	cubic yards	\$ 8.25	per yard	\$ 400.13	10% mu	\$ 440.14
State fee	48.5	cubic yards	\$ 0.25	per yard	\$ 12.13	10% mu	\$ 13.34

Subtotal Disposal Cost \$ 4,109.88

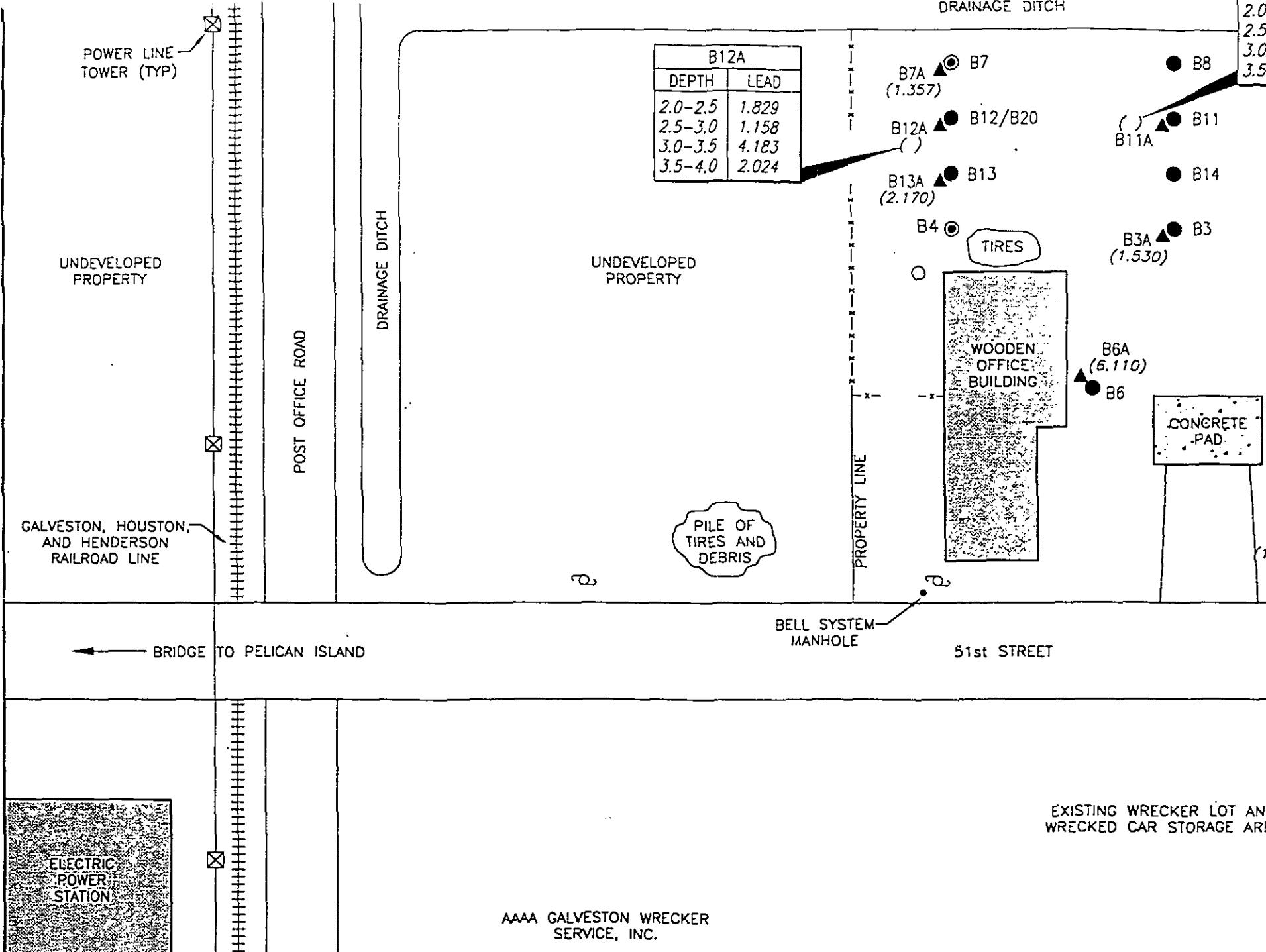
Operator	40	hours	\$ 23.50	per hour	\$ 940.00	10% mu	\$ 1,034.00
Supervisor	60	hours	\$ 75.00	per hour	\$ 4,500.00	0% mu	\$ 4,500.00
Sr. Engineer	20	hours	\$ 75.00	per hour	\$ 6,000.00	0% mu	\$ 1,500.00
Admin. Assistant	20	hours	\$ 25.00	per hour	\$ 500.00	0% mu	\$ 500.00
Subtotal Labor							\$ 7,534.00

Misc. Cost 3% Field Labor							\$ 300.00
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TOTAL PROJECT COST \$ 23,340.38

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
	---	HOUSTON, TX	J. DAY			78364

3/25/99

LEGEND:

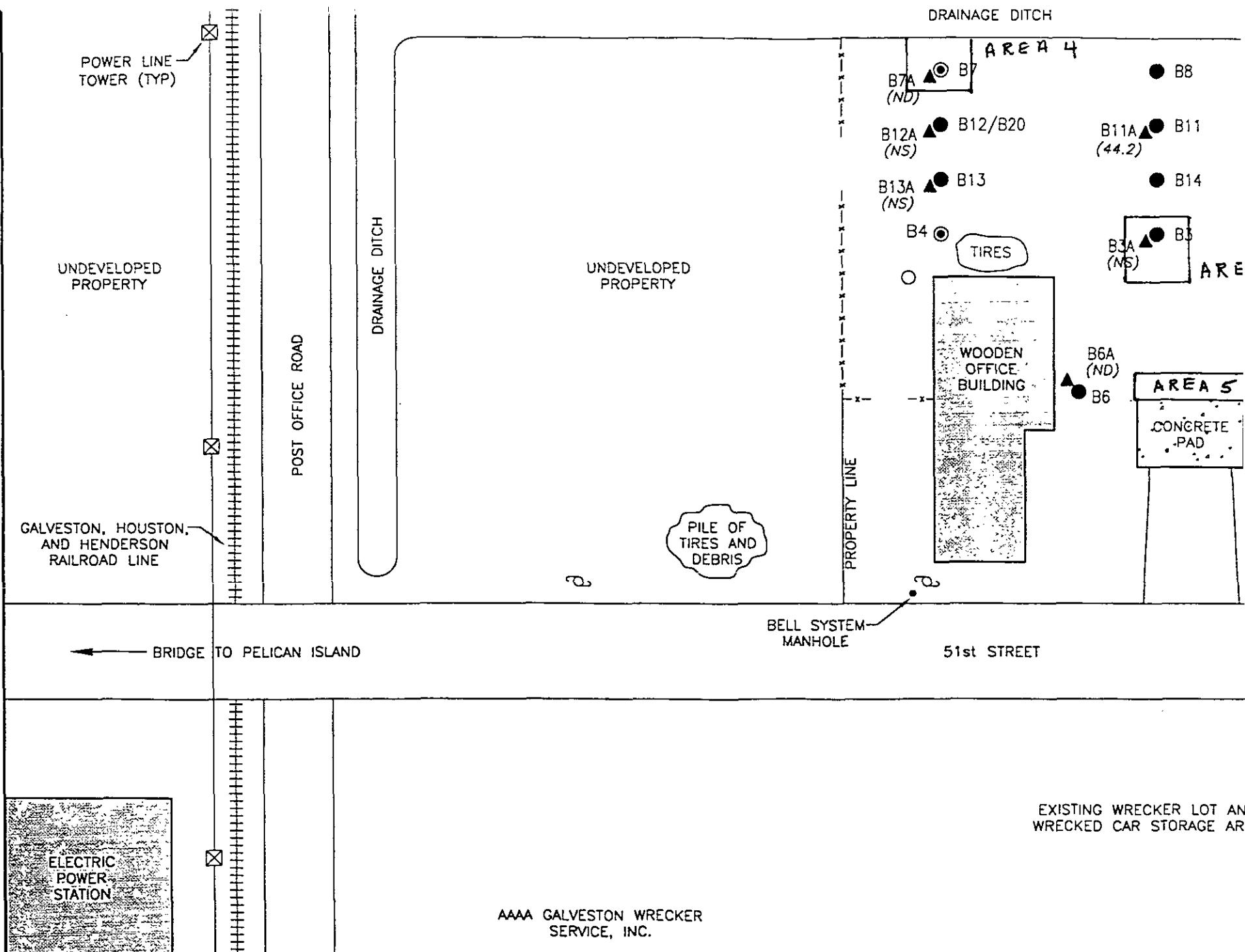
○ POWER POLE

● AUGUST 1999 SOIL BORING LOCATION

NOTE:

2.0
2.5
3.0
3.5

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	HOUSTON, TX	D.DAY	3/16/00		

LEGEND:

(O) POWER POLE

(●) AUGUST 1999 SOIL BORING LOCATION

NOTES:

SOIL SAMPLE B20 IS A DUP

**IT Corporation**

13111 Northwest Freeway, Suite 310
Houston, TX 77040-6392
Tel. 713.996.4400
Fax. 713.939.9546

A Member of The IT Group

April 3, 2000

Mr. Byron Ellington, CPG
Texas Natural Resource Conservation Commission
Voluntary Cleanup Section (MC-221)
12100 Park 35 Circle, Building D
Austin, Texas 78753

Subject: W. R. Black Estate Site, VCP No. G17
Galveston, Galveston County, Texas
TNRCC Contract No. 5829-14832-0040
Work Order No. 90-0040
IT Corporation Project 804988

R F D V E D
APR 06 2000

Dear Mr. Ellington:

The attached report investigation results were completed in February 2000. According to the proposed Scope of Work detailed in Work Order No. 90-0040, the attachments include the following:

- Analytical Tables
- Distribution Maps for the Chemicals of Concern
- Laboratory Reports

An additional copy of this data has been forwarded to Mr. Win Turner of KMA Environmental Services, Inc.

IT appreciates the opportunity to be of service to the TNRCC. If you have any questions about the content of the attached documents, please contact me at (713) 996-4400.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Pete Spicer". Below the signature, there is a small, handwritten note that appears to say "for".

J. Pete Spicer, PG
Project Manager

Attachments

c: Mr. Win Turner - KMA Environmental Services, Inc./ 1221 6th Street North/Texas City, TX 77590-6244

ATTACHMENTS

TABLE 1
SUMMARY OF SOIL LEAD ANALYTICAL DATA

**WR BLACK PROPERTY
 GALVESTON, TEXAS**

FEBRUARY 2000

Sample Location	Sample Depth (ft)	Lead Concentration (mg/Kg)
B1A	0-1	5.499
B1A	3-4	140.952
B3A	0-1	53.714
B3A	3-4	1.530
B5A	0-1	193.102
B5A	3-4	2.111
B6A	0-1	40.683
B6A	2-3	6.110
B7A	0-1	90.732
B7A	3-4	1.357
B10A	0-1	12.224
B10A	3-4	1.772
B11A	0-0.5	6.667
B11A	0.5-1.0	32.745
B11A	1.0-1.5	49.326
B11A	1.5-2.0	6.587
B11A	2.0-2.5	2.772
B11A	2.5-3.0	4.762
B11A	3.0-3.5	3.435
B11A	3.5-4.0	1.544
B12A	0-0.5	141.517
B12A	0.5-1.0	65.422
B12A	1.0-1.5	58.882
B12A	1.5-2.0	6.719
B12A	2.0-2.5	1.829
B12A	2.5-3.0	1.158
B12A	3.0-3.5	4.183
B12A	3.5-4.0	2.024
B13A	0-1	68.119
B13A	3-4	2.170
B15A	0-0.5	5.416
B15A	0.5-1.0	1.927
B15A	1.0-1.5	51.081
B15A	1.5-2.0	2.569
B15A	2.0-2.5	2.020
B15A	2.5-3.0	1.714
B15A	3.0-3.5	1.154
B15A	3.5-4.0	1.217

Notes:

[redacted] - samples from > 2 ft. below ground surface.

TABLE 2

**SUMMARY OF SOIL TX TPH 1006 ANALYTICAL DATA
WR BLACK PROPERTY
GALVESTON, TEXAS**

FEBRUARY 2000

TX TPH 1006 (mg/Kg)	B5A 0-1	B6A 0-1	B7A 0-1	B11A 0-1
C ₆ TO C ₈	<25.0	<25.0	<25.0	<25.0
C ₈ to C ₁₀	<25.0	<25.0	<25.0	<25.0
C ₁₀ to C ₁₂	<25.0	<25.0	<25.0	<25.0
C ₁₂ to C ₁₆	<25.0	<25.0	<25.0	<25.0
C ₁₆ to C ₂₁	<25.0	<25.0	<25.0	14.5
C ₂₁ to C ₃₅	<25.0	<25.0	<25.0	26.6
Total C ₆ to C ₃₅	<25.0	<25.0	<25.0	41.1

Notes:

* - contamination in range of C16 to C35.

TABLE 3
SUMMARY OF GROUNDWATER ANALYSIS
WR BLACK PROPERTY
GALVESTON, TEXAS
August 26, 1999

Sample Location	Sample Identification	VOCs ¹	SVOCs ²	TRPH	Metals ³			
		mg/L	mg/L	mg/L	arsenic mg/L	barium mg/L	chromium mg/L	lead mg/L
B1	W-1	ND	ND	0.13	ND	0.844	0.005	ND
B2	W-2	ND	ND	0.68	ND	0.0893	ND	ND
B4	W-4	ND	ND	0.92	0.007	0.957	0.01	0.01
B7	W-7	ND	ND	0.33	ND	1.03	ND	ND
B10	W-10	ND	ND	0.11	ND	1.1	0.006	0.007
B1	W-30 (dup)	ND	ND	0.27	ND	0.446	ND	ND
Field Blank	FB-1	ND	NS	NS	ND	ND	ND	ND
TRRS-2 GW-Res MSC (ppm)		NA	NA	NA	0.005	2	0.1	0.015

Notes:

VOCs - Volatile organic compounds by Method 8260.

SVOCs - Semivolatile organic compounds by Method 8270.

TRPH - Total recoverable petroleum hydrocarbon by method 418.1.

Metals by method 6010 and 5457.

¹ - All VOCs were below the laboratory limit of quantitation.

² - All SVOCs were below the laboratory limit of quantitation.

³ - All other metals were below the laboratory limit of quantitation.

NS - Analysis not performed.

NA - Not applicable

TABLE 4
SUMMARY OF SOIL SPLP ANALYTICAL DATA
WR BLACK PROPERTY
GALVESTON, TEXAS
FEBRUARY 2000

SPLP mg/l	B5A 0-1	B11A 2.5-3	B15A 3-3.5
Arsenic	<0.005	0.0060	<0.005
Barium	0.038	0.1210	0.019
Cadmium	<0.001	<0.001	<0.001
Chromium	<0.005	<0.005	<0.005
Lead	0.023	<0.003	<0.003
Mercury	<0.0002	<0.0002	<0.0002
Selenium	<0.005	<0.005	<0.005
Silver	<0.005	<0.005	<0.005

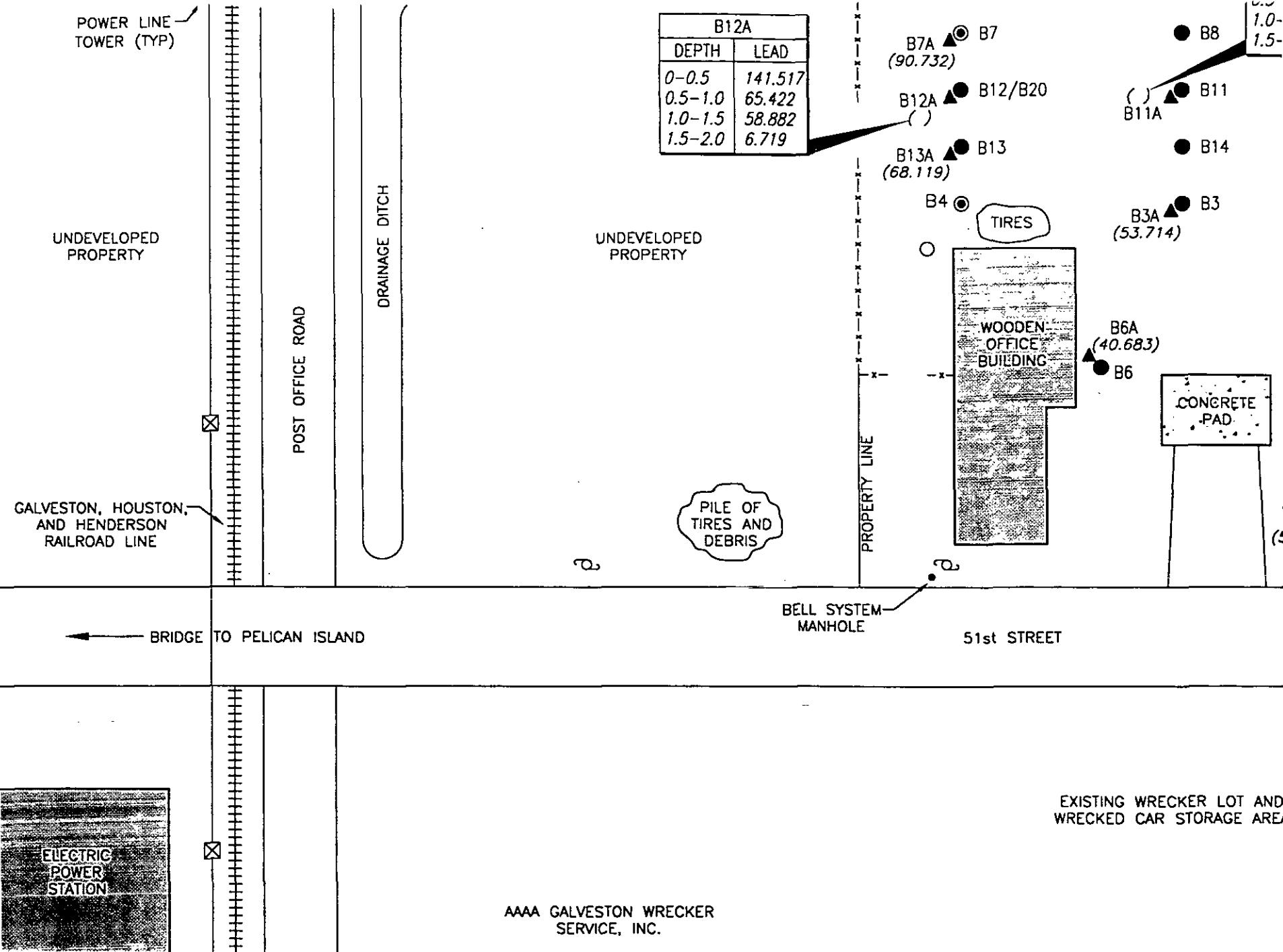
TABLE 5
SUMMARY OF SOIL TCLP ANALYTICAL DATA
WR BLACK PROPERTY
GALVESTON, TEXAS

FEBRUARY 2000

TCLP mg/l	Drum-1A
Arsenic	<0.100
Barium	<1
Cadmium	<0.100
Chromium	<0.500
Lead	<0.500
Mercury	<0.010
Selenium	<0.100
Silver	<0.100
Benzene	<0.050
Carbon Tetrachloride	<0.050
Chlorobenzene	<10.0
Chloroform	<0.060
1,2-Dichloroethane	<0.050
1,1-Dichloroethene	<.0070
Methylethylketone	<20.0
Tetrachloroethene	<0.070
Trichloroethene	<0.050
Vinyl Chloride	<0.020
Cresols	<0.013
1,4-Dichlorobenzene	<0.013
2,4-Dinitrotoluene	<0.013
Hexachlorobenzene	<0.013
Hexachlor-1,3-butadien	<0.013
Hexachloroethane	<0.013
Nitrobenzene	<0.013
Pentachlorophenol	<0.013
Pyridine	<0.013
2,4,5-Trichlorophenol	<0.013
2,4,6-Trichlorophenol	<0.013
Chlordane	<0.003
2,4-D	<1.00
Endrin	<0.002
Heptachlor	<0.0008
lindane	<0.040
Methoxychlor	<1.00
Toxaphene	<0.050
Silvex	<0.100
Heptachlor epoxide	<0.0008

IMAGE X-REF OFFICE DRAWN BY CHECKED BY APPROVED BY DRAWING NUMBER 78.

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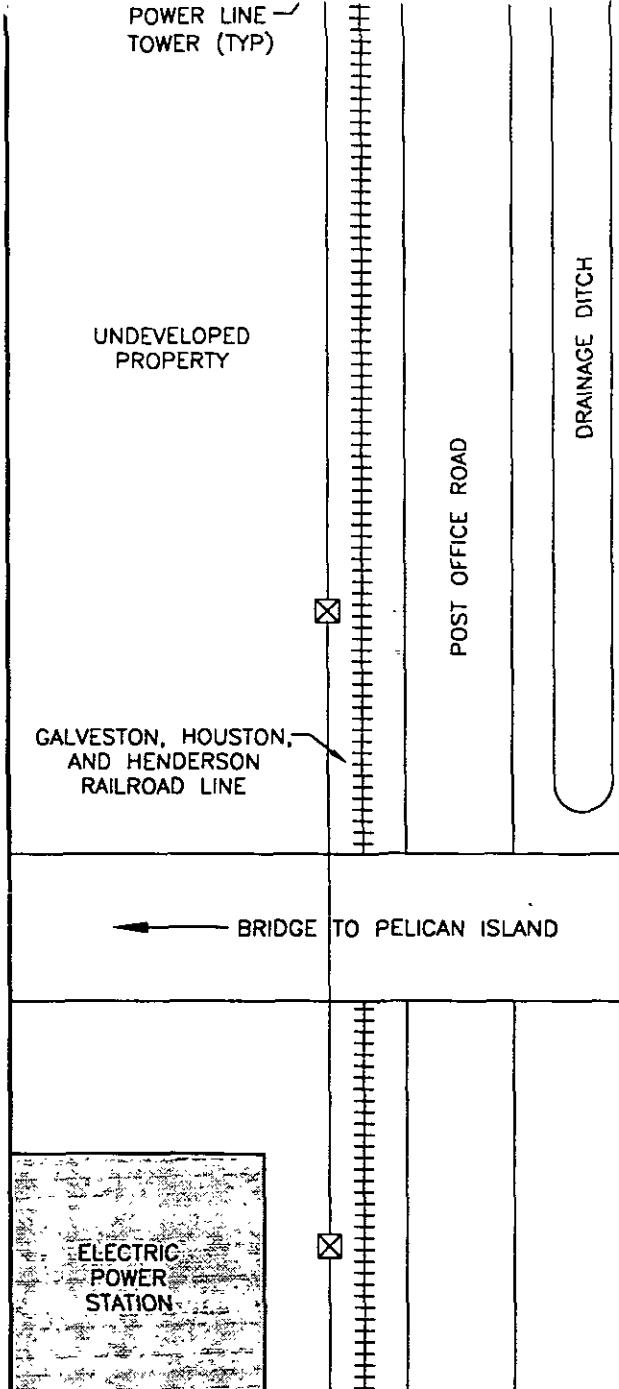
- (○) POWER POLE
- (●) AUGUST 1999 SOIL BORING LOCATION
- (◎) AUGUST 1999 GROUNDWATER

(2.499) CONCENTRATION

NOTE:

SOIL SAMPLE B20 IS A DUPLICATE

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
-	-	Houston, TX	D.DAY	3/16/00		7E

POWER LINE -
TOWER (TYP)

B12A	
DEPTH	LEAD
2.0-2.5	1.829
2.5-3.0	1.158
3.0-3.5	4.183
3.5-4.0	2.024

B7A (1.357)
B12A ()
B13A (2.170)
B4 ()
B11A ()
B11 ()
B13 ()
B14 ()
B3A (1.530)
B3 ()
B6A (6.110)
B6 ()

UNDEVELOPED PROPERTY

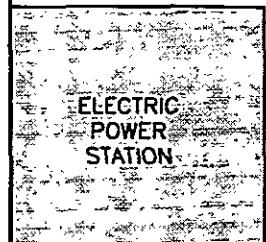
P

PILE OF
TIRES AND
DEBRIS

PROPERTY LINE

BELL SYSTEM
MANHOLE

51st STREET

EXISTING WRECKER LOT AND
WRECKED CAR STORAGE AREAAAAA GALVESTON WRECKER
SERVICE, INC.LEGEND:

POWER POLE

AUGUST 1999 SOIL BORING LOCATION

AUGUST 1999 GROUNDWATER
LEVEL LOCATION

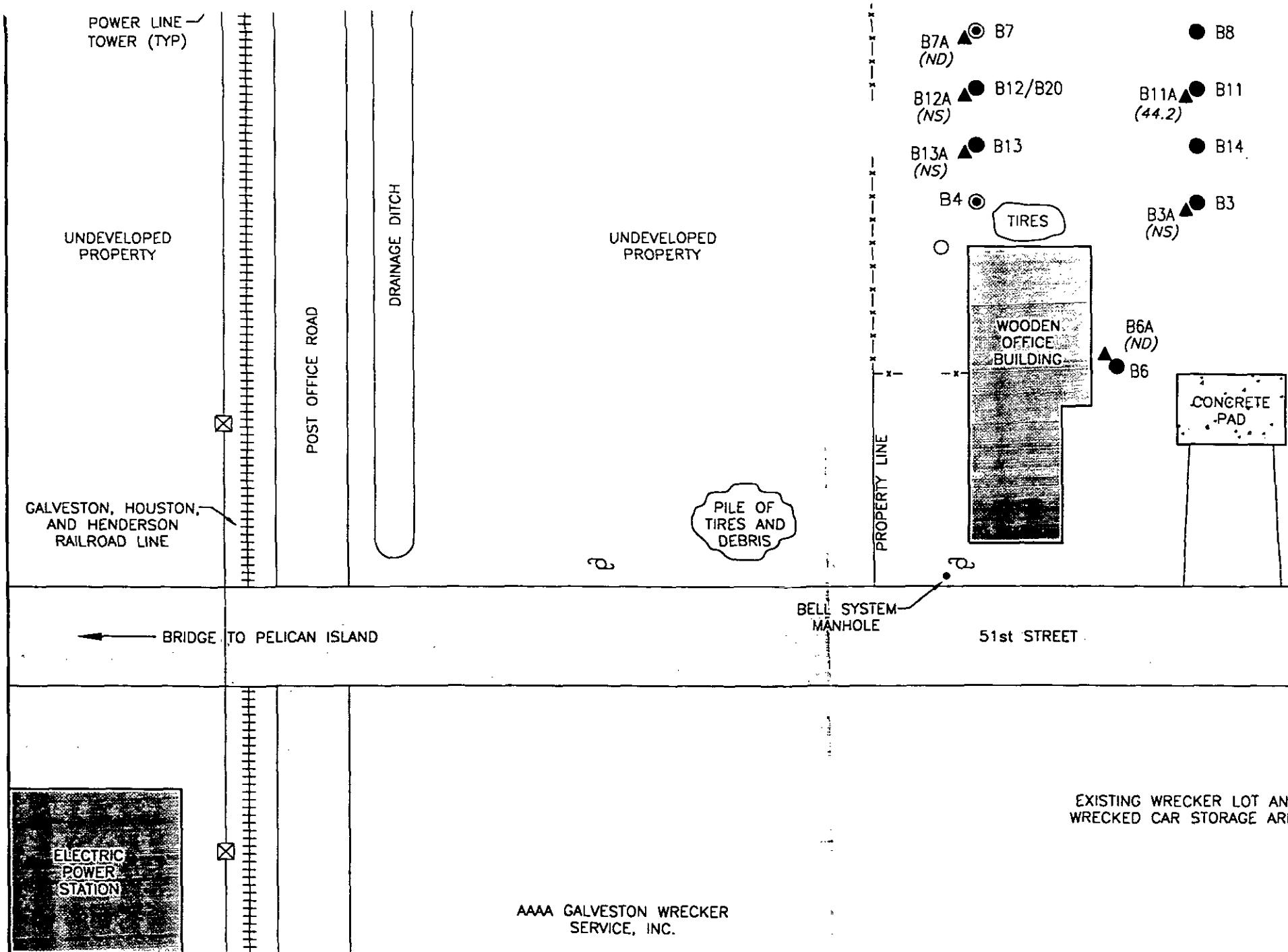
(2.499) CONCENTRATION

NOTE:

SOIL SAMPLE R20 IS A N.D.

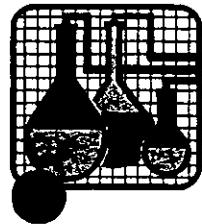
IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
- - -	- - -	HOUSTON, TX	D.DAY	3/16/00		7E

1/15/00
ION 3/25/99



NOTES:

SOIL SAMPLE B20 IS A DUPLICATE
SAMPLE OF SAMPLE B12



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25128
Sample ID: BiA 0-1
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:52
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
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METALS

Lead	5.499	mg/kg	1.018	1.000	1	2/29/00	6:43	R. Kelley	6010B	9354
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ND = Not detected at the report limit.

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

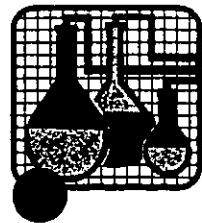
Report Approved By:

Report Date: 3/ 4/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruobel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25129
Sample ID: B1A 3-4
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:55
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	140.952	mg/kg	0.952	0.952	1	2/29/00	6:43	R. Kelley	6010B	9354

ND = Not detected at the report limit.

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 3/4/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruopel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

LT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OG-A25086
Sample ID: B7A 0-1
Sample Type: Soil
Site ID:

Project: B04988
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:25
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruas Limit	Dil Factor	Date	Time	Analyst	Method	Batch
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METALS

Lead 70.732 mg/kg 1.024 0.962 1 3/ 1/00 6:50 S. Kelley S018P 9278

GENERAL CHEMISTRY PARAMETERS

% Dry Weight 93 % 1 2/26/00 10:00 C. Terry CLP 9278
Analytical Services See note

ND = Not detected at the report limit.

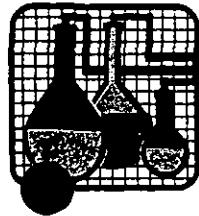
Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Analyst	Method
EPM	10.5 gm	10.0 ml	3/ 2/00	C. Terry	EPM

All samples have been corrected for dry weight.

Both Sample GLI AND ARU from C6-C35=125.0 mg/kg

Sample report continued . . .



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ANALYTICAL REPORT

Laboratory Number: 00-A25086
Sample ID: B7A 0-1

Page 2

Unadjusted hydrocarbon range data exclude concentrations of any surrogate and internal standards eluting in that range.

CERTIFICATION

All QA/QC procedures REQUIRED by the UPMR/EPH method(s) were followed.
All performance/acceptance standards for required QA/QC procedures were achieved.

Authorized by: Mike A. Dunn

Theodore J. Dueillo, Ph.D., Lab Mgr.
Michael H. Dunn, M.S., Technical Dir.
Eric Smith, Asst. Technical Dir.
Johnny A. Mitchell, Technical Serv. Dir.
Gail A Lage, Technical Services

Laboratory Certification Number: 387



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9276
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25067
Sample ID: 67A 3-4
Sample Type: Soil
Site ID:

Project: 304988
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:30
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
metals	1.357	ng/kg	0.969	0.969	1	3/1/00	6:50	R. Kelley	60100	9356

ND = Not detected at the report limit.

These results relate only to the items tested.
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permission of the laboratory.

Report Approved By: Mark P. Rees

Report Date: 3/4/00

Theodore J. Quello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A'Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: 00-A23088
Sample ID: E12A 0-0.5
Sample Type: Soil
Site ID:

Project: 804986
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:40
Date Received: 2/25/00
Time Received: 7:00

Analyst	Result	Units	Report Limit	Ruan Limit	Bil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	141.517	mg/kg	0.998	0.998	1	3/1/00	6:50	R. Kelley	60156	F353

ND = Not detected at the report limit.

These results relate only to the items tested.
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Report Approved By: Mark Adams Report Date: 3/ 4/00

Theodore J. Dweild, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johang A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9276
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25089
Sample ID: B12A .5-1.Q
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:42
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Oil Factor	Date	Time	Analyst	Method	Batch
METALS*										
Lead	65.422	mg/kg	0.782	0.982	1	3/1/00	6:50	R. Kelley	60108	9353

ND = Not detected at the report limit.

These results relate only to the items tested.
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Report Approved By: Wendy A. Lane Report Date: 3/4/00

Theodore J. Duallo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glen L. Morton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

LR CORP-HOUSTON (TMRCC-REG III) 9276
PETE SPICER
16111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: CO-A25090
Sample ID: B12A 1.0-1.5
Sample Type: Soil
Site ID:

Project: 804966
Project Name: NR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:41
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Oil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	58.682	mg/kg	0.998	0.998	1	3/1/00	6:50	R. Kelley	68100	9356

ND = Not detected at the report limit.

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Report Approved By:

Ann Bunn

Report Date: 3/4/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.

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ANALYTICAL REPORT

IT CORP-HOUSTON (TNROC-REG III) 9278
PETE SPICER
15111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Project: 804988
Project Name: WR BLACK
Sampler: J HOLMAN

Lab Number: OO-A25091
Sample ID: B1ZA 1.5-2.0
Sample Type: Soil
Site ID:

Date Collected: 2/24/00
Time Collected: 8:46
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS	-									
Lead	6.719	ng/kg	0.700	0.900	1	3/1/00	6:50	R. Kelley	6010K	9353

ND = Not detected at the report limit.

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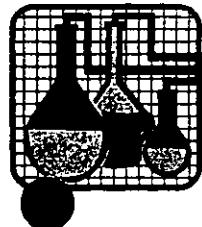
Report Approved By: Willy A. Lane

Report Date: 3/4/00

Theodore J. Duezzo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

LT CORP-HOUSTON (TNRCC-REG #111) 9278
PETE SPICER
16111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: CO-A25092
Sample ID: B1ZA 2.0-2.5
Sample Type: Soil
Site ID:

Project: 804986
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:48
Date Received: 2/25/00
Time Received: 9:00

Analyst	Result	Units	Report Limit	Mass Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	1.827	mg/kg	1.816	1.809	1	3/1/00	6:50	R. Kelley	60100	9352

ND = Not detected at the report limit.

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Report Approved By:

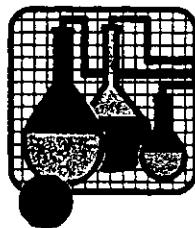
Theodore J. Queijo

Report Date: 3/4/00

Theodore J. Queijo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25093
Sample ID: B12A E. S-3. C
Sample Type: Soil
Site ID:

Project: B04986
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:50
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ran	Dil Factor	Date	Time	Analyst	Methed	Batch
METALDX										
Lead	1.158	ng/kg	0.965	0.965	1	3/1/00	8:50	R. Kelley	6010R	9353

ND = Not detected at the report limit.

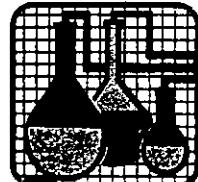
These results relate only to the items tested.
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permission of the laboratory.

Report Approved By: Theodore J. Duello Report Date: 3/ 4/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG 111) 9278
PETE SPICER
13111 NORTHWEST Fwy. STE 1310
HOUSTON, TX 77040

Lab Number: 00-A25094
Sample ID: B12A 3.0-3.5
Sample Type: Soil
Site ID:

Project: 804986
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:52
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
*METALS										
Lead	4.163	mg/kg	0.996	0.996	1	3/1/00	6:00	R. Kelley	60100	9353

ND = Not detected at the report limit.

These results relate only to the items tested.
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permission of the laboratory.

Report Approved By:

Mark A. Davis

Report Date: 3/4/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG 111) 7278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25095
Sample ID: B12A 3.5-4.0
Sample Type: Soil
Site ID:

Project: 804986
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 8:54
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Qusn Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS*										
Lead	2.024	ng/kg	1.012	1.000	1	3/1/00	6:50	R. Kelley	6010P	9353

ND = Not detected at the report limit.

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permission of the laboratory.

Report Approved By: Wendy A. Dunn Report Date: 3/4/00

Theodore J. Duelle, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 927B
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25076
Sample ID: B13A 0-1
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 9:00
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Rxn Limit	DIL Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	68.119	mg/kg	0.590	0.990	1	3/1/00	6:50	R. Kelley	60108	2353

ND = Not detected at the report limit.

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Report Approved By: Mike A. Lane

Report Date: 3/4/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25097
Sample ID: B13A 3-4
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 9:05
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ran Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	2.170	mg/kg	0.786	0.786	1	3/1/00	6:50	R. Kelley	6010B	9353

ND = Not detected at the report limit.

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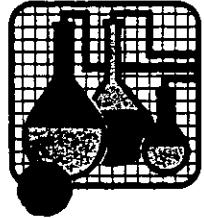
Report Approved By: Mark A. Smith

Report Date: 3/4/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25099
Sample ID: B10A O-1
Sample Type: Soil
Site ID:

Project: 804968
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 9:14
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS*										
Lead	12.224	mg/kg	1.002	1.000	1	3/1/00	6:58	E. Kelley	60100	9353

ND = Not detected at the report limit.

These results relate only to the items tested.
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Report Approved By:

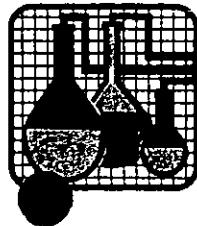
John A. Lane

Report Date: 3/4/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25100
Sample ID: B10A 3-4
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 9:16
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	1.772	ng/kg	0.784	0.784	1	3/1/00	8:50	R. Kelley	6010B	9353

ND = Not detected at the report limit.

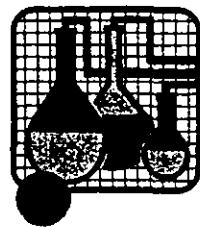
These results relate only to the items tested.
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Report Approved By: Mark A. Lane Report Date: 3/4/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Project: 604986
Project Name: WR BLACK
Sampler: J HOLMAN

Lab Number: OO-A25101
Sample ID: E40A
Sample Type: Soil
Site ID:

Date Collected: 2/24/00
Time Collected: 9:18
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Oil Factor	Date	Time	Analyst	Method	Patch
METALS										
Lead	35.875	mg/kg	0.980	0.980	1	3/1/00	4:50	E. Kelley	60108	9353

ND = Not detected at the report limit.

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Report Approved By:

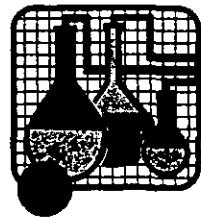
Mark A. New

Report Date: 3/4/00

Theodore J. Ouello, Ph.D., Technical Serv.
Michael M. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Leger, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy., STE 310
HOUSTON, TX 77040

Lab Number: 00-AZ5098
Sample ID: B30A
Sample Type: Soil
Site ID:

Project: 804982
Project Name: WR BLACK
Sampler: J HOLMAN

Date Collected: 2/24/00
Time Collected: 9:08
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
LEAD	1.559	mg/kg	0.975	0.975	1	3/1/00	8:58	R. Kelley	60100	7353

ND = Not detected at the report limit.

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Report Approved By: Mike Dunn

Report Date: 3/4/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNROC-REG 111) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Project: 804968
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Lab Number: 00-A25111
Sample ID: ESA 0-1
Sample Type: Soil
Site ID:

Date Collected: 2/24/00
Time Collected: 9:45
Date Received: 2/25/00
Time Received: 9:00

Analyst	Result	Units	Report Limit	Qual Limit	B/F Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	193.102	mg/kg	1.059	0.963	1	2/29/00	6:43	E. Kelley	6010B	9354
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	81	%			1	2/29/00	10:00	C. Terry	CLP	9278
Analytical Services	See note									

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	WT/VOL	Extracted	Extract Vol	Date	Analyst	Method
EPH		10.5 gm	10.0 mL	3/1 2/00	C. Terry	EPH

All samples have been corrected for dry weight.

46-035 = <25 mg/kg

Sample report continued . . .



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ANALYTICAL REPORT

Laboratory Number: 00-A25111
Sample ID: BSA C-1

Page 2

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Report Approved By: John A. New Report Date: 3/ 3/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy., STE 310
HOUSTON, TX 77040

Lab Number: 00-A25112
Sample ID: B5A 3-4
Sample Type: Soil
Site ID:

Project: B049B8
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:48
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ran Limit	DIL Factor	Date	Time	Analyst	Method	Batch
LEAD	2.111	ng/kg	0.760	0.760	1	2/29/00	6:48	R. Kelley	60100	9354

ND = Not detected at the report limit.

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Report Approved By:

Report Date: 3/3/00

Theodore J. Suello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

AT CORP-HOUSTON (TNRCC-REG III) 9279
PETE SPICER
15111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: CO-A25114
Sample ID: B6A C-1
Sample Type: Soil
Site ID:

Project: 804986
Project Name: W. R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 10:00
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Duan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	40.683	ng/kg	1.043	0.960	1	2/29/00	6:43	R. Kelley	60108	9354
GENERAL CHEMISTRY PARAMETERS										
X Dry Weight	92.	%			1	2/28/00	10:00	C. Terry	CLP	9279
Analytical Services	See note									

ND = Not detected at the report limit.

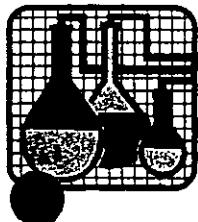
Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Analyst	Method
EPH		10.0 gm	10.0 mL	3/ 1/00	C. Terry	EPH

All samples have been corrected for dry weight.

CS-C35 = 425 ng/kg

sample report continued . . .



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ANALYTICAL REPORT

Laboratory Number: OO-A25114
Sample ID: B6A O-1

Page 2

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Report Approved By:

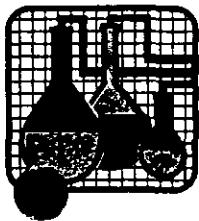
Mary A. nun

Report Date: 3/ 3/00

Theodore J. Duelle, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25115
Sample ID: B6A 2-3
Sample Type: Soil
Site ID:

Project: B04988
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 10:10
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Time	Analyst	Methed	Batch
METALS										
Lead	6.110	mg/kg	1.018	1.000	1	2/29/00	6:43	R. Kelley	60108	9354

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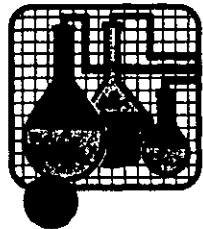
Report Approved By:

Report Date: 3/3/00

Theodore J. Suello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Dale A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Famela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25103
Sample ID: B1SA 0-0.5
Sample Type: Soil
Site ID:

Project: 804988
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:24
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
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METALS*

Lead	5.416	mg/kg	0.967	0.967	1	3/1/00	6:50	R. Kelley	60100	9353
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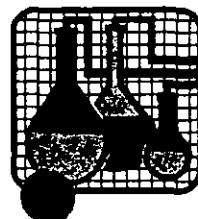
Report Approved By:

Report Date: 3/3/00

Theodore J. Duelio, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Beil A Lange, Technical Serv.

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Glenn L. Norton, Technical Serv.
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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25104
Sample ID: B1SA Q. 5-1.0
Sample Type: Soil
Site ID:

Project: 604988
Project Name: W. R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:26
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	1.927	mg/kg	0.963	0.963	1	3/1/00	6:56	R. Kelley	6010B	9353

ND = Not detected at the report limit.

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Report Approved By:

Report Date: 3/ 3/00

Theodore J. Quello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

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Pamela A. Langford, Technical Serv.

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ANALYTICAL REPORT

IT CORP-HOUSTON (TNROCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25105
Sample ID: B1SA 1.0-1.5
Sample Type: Soil
Site ID:

Project: 804988
Project Name: W. R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:28
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
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METALS

Lead	51.081	ng/kg	0.982	0.982	1	3/1/00	6:50	R. Kelley	60100	9353
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ND = Not detected at the report limit.

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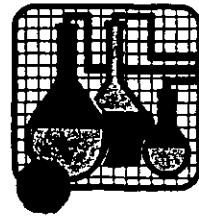
Report Approved By:

Report Date: 3/3/00

Theodore J. Duelleo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johang A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lange, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Project: 604988
Project Name: W. R. BLACK
Sampler: J. D. HOLMAN

Lab Number: 00-A25106
Sample ID: B1SA 1.5-2.0
Sample Type: Soil
Site ID:

Date Collected: 2/24/00
Time Collected: 9:30
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	DIL Factor	Date	Time	Analyst	Method	Batch
LEAD	2.567	ng/kg	0.988	0.988	1	3/1/00	6:00	R. Kelley	60100	9353

ND = Not detected at the report limit.

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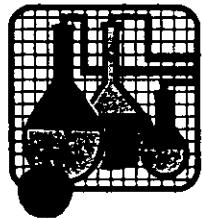
Report Approved By:

Report Date: 3/3/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25107
Sample ID: B1SA 2.0-2.5
Sample Type: Soil
Site ID:

Project: 804988
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:32
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS*										
Lead	2.020	ng/kg	1.000	1.000	1	2/29/00	6:43	R. Kelley	60100	9354

ND = Not detected at the report limit.

These results relate only to the items tested.
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Report Approved By:

Report Date: 3/3/00

Theodore J. Duvello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY. STE 310
HOUSTON, TX 77040

Project: 804988
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Lab Number: 00-A25108
Sample ID: B1SA 2.5-3.0
Sample Type: Soil
Site ID:

Date Collected: 2/24/00
Time Collected: 9:34
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS*										
Lead	1.714	mg/kg	0.952	0.952	1	2/29/00	6:43	R. Kelley	6010D	9354

*ND = Not detected at the report limit.

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Report Approved By:

Report Date: 3/3/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Legge, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9378
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25109
Sample ID: B15A 3.0-3.5
Sample Type: Soil
Site ID:

Project: 804988
Project Name: W. R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:36
Date Received: 2/25/00
Time Received: 9:00

Analgt	Result	Units	Report Limit	Quan Limit	Bil Factor	Date	Time	Analyst	Method	Batch
LEAD	1.154	mg/kg	0.962	0.962	1	2/29/00	6:43	R. Kelley	60100	9354

ND = Not detected at the report limit.

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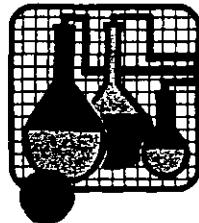
Report Approved By:

Report Date: 3/3/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: CO-A25110
Sample ID: B1SA 3.5-4.0
Sample Type: Soil
Site ID:

Project: B04988
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:38
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS*										
Lead	1.217	mg/kg	1.014	1.000	1	2/29/00	6:43	R. Kelley	6010D	9354

ND = Not detected at the report limit.

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Report Approved By:

Report Date: 3/ 3/00

Theodore J. Ouello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Adaga, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
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Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25116
Sample ID: EGA Q-1
Sample Type: Soil
Site ID:

Project: 804988
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 10:16
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
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METALS

Lead	53.714	mg/kg	0.952	0.952	1	2/29/00	6:03	R. Kelley	6010K	9354
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ND = Not detected at the report limit.

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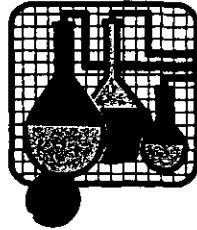
Report Approved By:

Report Date: 3/3/00

Theodore J. Duollo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
15111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25132
Sample ID: B3A 3-4
Sample Type: Soil
Site ID:

Project: 804988
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:45
Date Received: 2/25/00
Time Received: 9:00

Analyst	Result	Units	Report Limit	Run Limit	Oil Factor	Date	Time	Analyst	Method	Batch
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METALS

Lead	1.530	ng/kg	0.756	0.756	1	2/27/00	6:43	R. Kelley	6010P	9354
------	-------	-------	-------	-------	---	---------	------	-----------	-------	------

ND = Not detected at the report limit.

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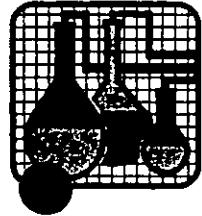
Report Approved By:

Report Date: 3/3/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25120
Sample ID: E11A Q-.5
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:25
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Lead	6.667	ppm	0.952	0.952	1	2/29/00	6:43	R. Kelley	60100	9354

ND = Not detected at the report limit.

These results relate only to the items tested.
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permission of the laboratory.

Report Approved By:

Mark A. Davis

Report Date: 3/ 4/00

Theodore J. Guello, Ph.D., Technical Serv.
Michael H. Duna, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Project: 804968
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Lab Number: OO-A25121
Sample ID: B11A .5-1
Sample Type: Soil
Site ID:

Date Collected: 2/24/00
Time Collected: 10:27
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	32.745	mg/kg	0.080	0.080	1	2/29/00	6:43	R. Kelley	60108	9354

ND = Not detected at the report limit.

These results relate only to the items tested.
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Report Approved By:

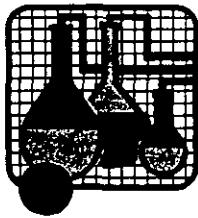
John A. Morris

Report Date: 3/4/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25122
Sample ID: E11A 1-1.5
Sample Type: Soil
Site ID:

Project: 604988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:29
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS*										
Lead	49.326	ng/kg	0.963	0.963	1	2/28/00	6:43	R. Kelley	60100	9354

*ND = Not detected at the report limit.

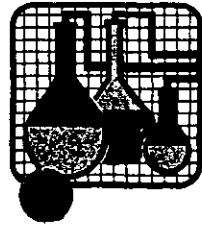
These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: Winn A - New Report Date: 3/ 4/00

Theodore J. Duallo, Ph.D., Technical Serv.
Michael H. Duna, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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Phone 1-615-726-0177

ANALYTICAL REPORT

IP CORP-HOUSTON(TNRCC-REG III) 927B
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25123
Sample ID: B11A 1.5-2
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:31
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
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METALS

Lead	6.587	ng/kg	0.998	0.998	1	2/29/00	6:43	R. Kelley	6010K	9354
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ND = Not detected at the report limit.

These results relate only to the items tested.
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permission of the laboratory.

Report Approved By: Theodore J. Duelio Report Date: 3/4/00

Theodore J. Duelio, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Sail A. Laga, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9276
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OC-A25124
Sample ID: B11A 2-2.5
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:33
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Oil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	2.772	mg/kg	0.990	0.990	1	2/29/00	6:43	R. Kelley	6010W	9354

ND = Not detected at the report limit.

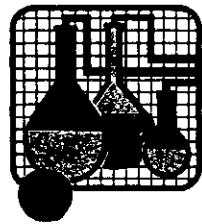
These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: Wendy A. Vause Report Date: 3/ 4/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy. STE 310
HOUSTON, TX 77040

Lab Number: OO-A25125
Sample ID: B11A 2.5-3
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:35
Date Received: 2/25/00
Time Received: 9:00

Analyste	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	4.762	mg/kg	0.952	0.952	1	2/29/00	6:43	R. Kelley	60100	9354

ND = Not detected at the report limit.

These results relate only to the items tested.
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Report Approved By:

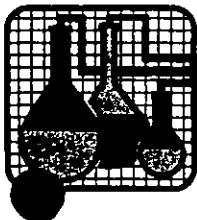
MW A. Dunn

Report Date: 3/ 4/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25126
Sample ID: B11A 3-3.5
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:37
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS										
Lead	3.495	ng/kg	0.954	0.954	1.	2/29/00	6:43	R. Kelley	6010B	9354

ND = Not detected at the report limit.

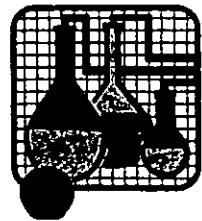
These results relate only to the items tested.
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permission of the laboratory.

Report Approved By: Mark A. USSR Report Date: 3/ 4/00

Theodore J. Duelle, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25127
Sample ID: B11A 3.5-4
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:39
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
METALS/H	1.544	mg/kg	0.965	0.965	1	2/29/00	6:43	R. Kelley	60108	P354

ND = Not detected at the report limit.

These results relate only to the items tested.
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permission of the laboratory.

Report Approved By: Mary A. Dunn Report Date: 3/4/00

Theodore J. Dueillo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: 00-A25118
Sample ID: B11A C-1
Sample Type: Soil
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:28
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	BIL Factor	Date	Time	Analyst	Method	Batch
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GENERAL CHEMISTRY PARAMETERS

% Dry Weight	92.	%			1	2/28/00	10:00	C. Terry	CLP	9278
Analytical Services	See note					3/ 3/00	12:22	J. Saigasak		3990

ND = Not detected at the report limit.

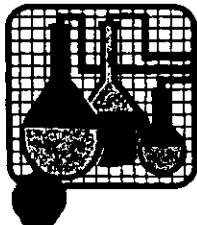
Sample Extraction Data

Parameter	Wt/Vol		Date	Analyst	Method
	Extracted	Extract Vol			
EPH	10.7 gm	10.0 ml	3/ 2/00	C. Terry	EPH

All samples have been corrected for dry weight.

c6-c35=44.2 mg/kg
Contamination is in the range of Aromatic c16-c21 and
Aromatic c21-c35.

Sample report continued . . .



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2960 Foster Creighton Dr.
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Nashville, TN 37204-0566
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ANALYTICAL REPORT

Laboratory Number: OG-A25118
Sample ID: B11A G-1

Page 2

Unadjusted hydrocarbon range data exclude concentrations of any surrogate and internal standards eluting in that range.
C11-C22 Aromatic hydrocarbons exclude concentration of PAH's.

CERTIFICATION

All QA/RC procedures REQUIRED by the VPH/EPH method(s) were followed.

All performance/acceptance standards for required QA/RC procedures were achieved.

Modifications made to the VPH/EPH Method(s) specified in Sect. II.B: Internal standard used for PID targets and surrogate elute prior to 1,2,4-trimethylbenzene.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Mark A. Dunn

Theodore J. Duelle, Ph.D., Lab Mgr.

Michael H. Dunn, M.S., Technical Dir.

Eric Smith, Asst. Technical Dir.

Johnny A. Mitchell, Technical Serv. Dir.

Gail A Lage, Technical Services

End of Sample Report.



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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON(TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25113
Sample ID: B6CA
Sample Type: Soil
Site ID:

Project: B04988
Project Name: W.R. BLACK
Sampler: J. D. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:50
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Qil Factor	Date	Time	Analyst	Method	Batch
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METALS*

Lead	244.048	ng/kg	0.992	0.992	1	3/2/00	14:08	R. Kelley	6010B	Z17
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ND = Not detected at the report limit.

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Report Approved By:

Report Date: 3/3/00

Theodore J. Duvello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

LT CORP-HOUSTON (TNRCC-REG #117) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE G10
HOUSTON, TX 77040

Lab Number: OC-A25118
Sample ID: S11A Q-1
Sample Type: Soil
Site ID:

Project: 804936
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:28
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
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GENERAL CHEMISTRY PARAMETERS

% Dry Weight	92.	%			1	2/23/00	10:00	C. Terry	CLP	9279
Analytical Services	See note					3/3/00	12:22	J. Salgasak		3990

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Val	Extracted	Extract Vol	Date	Analyst	Method
EPH		10.7 gm	10.0 mL	3/1/00	C. Terry	EPH

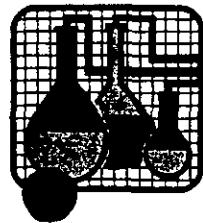
All metal and organic results have been corrected for dry weight.

Cr6 - Cr1 = 14.5 mg/Kg

Cr1 - Cr5 = 26.6 mg/Kg

Detectable levels below 5.0 mg/Kg found in Cr6 - Cr10 range.

Sample report continued . . .



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ANALYTICAL REPORT

Laboratory Number: OO-A25118
Sample ID: B11A O-1

Page 2

Unadjusted hydrocarbon range data exclude concentrations of any surrogate and internal standards eluting in that range.
C11-C22 aromatic hydrocarbons exclude concentration of PAH's.

CERTIFICATION

All QA/QC procedures REQUIRED by the VPH/EPM method(s) were followed.

All performance/acceptance standards for required QA/QC procedures were achieved.

Modifications made to the VPH/EPM method(s) specified in Sect. 11.3: Internal standard used for PID targets and surrogate elute prior to 1,2,4-trimethylbenzene.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Theodore J. Dueillo, Ph.D., Lab Mgr.
Michael H. Duna, M.S., Technical Dir.
Eric Smith, Aset. Technical. Dir.
Johnny A. Mitchell, Technical Serv. Dir.
Gail A Lase, Technical Services

End of Sample Report.

TestAmerica

1001 Corporate Drive • Nashville, TN 37204
(615) 726-0177 • Fax (615) 726-3404

183)82

8B-038884

Company	Address	City	State	Zip	Client Number	Sample ID	Sample Date											
Sampler Name	Prot. Name	Facility Location	Fac. / Site ID	Phone Number	Fax Number	Method Preserved	Sampling Time											
Block #	Lab #	Containers	Matrix															
Ref# Sample ID	SAW Lab#	WATER	SOIL	AIR	SOLID	SLUDGE	PRODUCT	OTHER	HCl	HNO ₃	HSO ₄ ⁻	NaOH	ICE	LIQUID	GAS	DATE	TIME	
1005-00	21	X															2000-09-22	0921
1005-00	22	X																0921
1005-00	23	X																0921
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1005-00	36	X																0921
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1005-00	39	X																0921
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1005-00	129	X																0921
1005-00	130	X																0921
1005-00	131	X																0921
1005-00	132	X																0921
1005-00	133	X																0921
1005-00	134	X																0921
1005-00	135	X																0921
1005-00	136	X																0921
1005-00	137	X																0921
1005-00	138	X																0921
1005-00	139	X																0921
1005-00	140	X																0921
1005-00	141	X																0921
1005-00	142	X																0921
1005-00	143	X	</td															

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

REMARKS

102

SAI PROJECT or QUOTE NUMBER
(to Insure correct Analysis and Billing)

Temperature Received
Aribit Number

Date 7-24-00	Time 1300	Received by: Federal Express 813884725308	Date 7-24-00	Time 1300
Date	Time	Received by:	Date	Time
Date 8/26/00	Time 0900	Received by: Laboratory <i>MWB</i>	Date 8/26/00	Time 0900

ANALYSIS REQUEST

TestAmerica

2960 Poplar Greighton Drive • Nashville, TN 37204
(615) 726-0900 • [615] 726-0177 • Fax [615] 726-3404

183/82

8B-03685

ANALYSIS REQUEST

Address		City		State		Zip		Client Number		7278		ANALYSIS REQUEST	
Sample S. Project Name		/ Date Taken		/ Proj. #		/ Zip		/ Fac/Site ID		/ 7040			
Facility Name		Phone Number		Fax Number		B-1139397546		/ Fac/Site ID		/ 804988			
BOTTLES		CONTAINERS		Matrix		Method Preserved		Sampling		Type C		Type D	
Field Sample		SAI		SOLIDS		Preserved		DATE		Grab		Composite	
1		2		3		4		TIME		MTBE		602	
4		5		6		7		5/10/95		IPN		8021	
6		7		8		9		0948		GRO		OA-1	
8		9		10		11		TPH Low		MASS VPH		Other	
10		11		12		13		TPH EPH		DRO		OA-2	
12		13		14		15		TPH High		MASS EPH		Other	
13		14		15		16		418.10 TX 1005		90701		Other	
14		15		16		17		TX 1006		413.0		1664	
15		16		17		18		Lead		8041		Other	
16		17		18		19		PCB		801		8021	
17		18		19		20		PCB GC/MS		H (HPLC)		8310	
18		19		20		21		PCB 8081		PCB		8270	
19		20		21		22		PCB 8081		PP		RCRA	
20		21		22		23		PCB 8081		TALO		8081	
21		22		23		24		PCB 8081		Metals		80260	
22		23		24		25		PCB 8081		Organochlorines		8081	
23		24		25		26		PCB 8081		Pesticides		8081	
24		25		26		27		PCB 8081		Organophosphorus		8081	
25		26		27		28		PCB 8081		Herbicides		8081	
26		27		28		29		PCB 8081		VOC's		8081	
27		28		29		30		PCB 8081		Pb		8081	
28		29		30		31		PCB 8081		Lead		8081	
29		30		31		32		PCB 8081		VOC's		8081	
30		31		32		33		PCB 8081		Pb		8081	
31		32		33		34		PCB 8081		VOC's		8081	
32		33		34		35		PCB 8081		Pb		8081	
33		34		35		36		PCB 8081		VOC's		8081	
34		35		36		37		PCB 8081		Pb		8081	
35		36		37		38		PCB 8081		VOC's		8081	
36		37		38		39		PCB 8081		Pb		8081	
37		38		39		40		PCB 8081		VOC's		8081	
38		39		40		41		PCB 8081		Pb		8081	
39		40		41		42		PCB 8081		VOC's		8081	
40		41		42		43		PCB 8081		Pb		8081	
41		42		43		44		PCB 8081		VOC's		8081	
42		43		44		45		PCB 8081		Pb		8081	
43		44		45		46		PCB 8081		VOC's		8081	
44		45		46		47		PCB 8081		Pb		8081	
45		46		47		48		PCB 8081		VOC's		8081	
46		47		48		49		PCB 8081		Pb		8081	
47		48		49		50		PCB 8081		VOC's		8081	
48		49		50		51		PCB 8081		Pb		8081	
49		50		51		52		PCB 8081		VOC's		8081	
50		51		52		53		PCB 8081		Pb		8081	
51		52		53		54		PCB 8081		VOC's		8081	
52		53		54		55		PCB 8081		Pb		8081	
53		54		55		56		PCB 8081		VOC's		8081	
54		55		56		57		PCB 8081		Pb		8081	
55		56		57		58		PCB 8081		VOC's		8081	
56		57		58		59		PCB 8081		Pb		8081	
57		58		59		60		PCB 8081		VOC's		8081	
58		59		60		61		PCB 8081		Pb		8081	
59		60		61		62		PCB 8081		VOC's		8081	
60		61		62		63		PCB 8081		Pb		8081	
61		62		63		64		PCB 8081		VOC's		8081	
62		63		64		65		PCB 8081		Pb		8081	
63		64		65		66		PCB 8081		VOC's		8081	
64		65		66		67		PCB 8081		Pb		8081	
65		66		67		68		PCB 8081		VOC's		8081	
66		67		68		69		PCB 8081		Pb		8081	
67		68		69		70		PCB 8081		VOC's		8081	
68		69		70		71		PCB 8081		Pb		8081	
69		70		71		72		PCB 8081		VOC's		8081	
70		71		72		73		PCB 8081		Pb		8081	
71		72		73		74		PCB 8081		VOC's		8081	
72		73		74		75		PCB 8081		Pb		8081	
73		74		75		76		PCB 8081		VOC's		8081	
74		75		76		77		PCB 8081		Pb		8081	
75		76		77		78		PCB 8081		VOC's		8081	
76		77		78		79		PCB 8081		Pb		8081	
77		78		79		80		PCB 8081		VOC's		8081	
78		79		80		81		PCB 8081		Pb		8081	
79		80		81		82		PCB 8081		VOC's		8081	
80		81		82		83		PCB 8081		Pb		8081	
81		82		83		84		PCB 8081		VOC's		8081	
82		83		84		85		PCB 8081		Pb		8081	
83		84		85		86		PCB 8081		VOC's		8081	
84		85		86		87		PCB 8081		Pb		8081	
85		86		87		88		PCB 8081		VOC's		8081	
86		87		88		89		PCB 8081		Pb		8081	
87		88		89		90		PCB 8081		VOC's		8081	
88		89		90		91		PCB 8081		Pb		8081	
89		90		91		92		PCB 8081		VOC's		8081	
90		91		92		93		PCB 8081		Pb		8081	
91		92		93		94		PCB 8081		VOC's		8081	
92		93		94		95		PCB 8081		Pb		8081	
93		94		95		96		PCB 8081		VOC's		8081	
94		95		96		97		PCB 8081		Pb		8081	
95		96		97		98		PCB 8081		VOC's		8081	
96		97		98		99		PCB 8081		Pb		8081	
97		98		99		100		PCB 8081		VOC's		8081	
98		99		100		101		PCB 8081		Pb		8081	
99		100		101		102		PCB 8081		VOC's		8081	
100		101		102		103		PCB 8081		Pb		8081	
101		102		103		104		PCB 8081		VOC's		8081	
102		103		104		105		PCB 8081		Pb		8081	
103		104		105		106		PCB 8081		VOC's		8081	
104		105		106		107		PCB 8081		Pb		8081	
105		106		107		108		PCB 8081		VOC's		8081	
106		107		108		109		PCB 8081		Pb		8081	
107		108		109		110		PCB 8081		VOC's		8081	
108		109		110		111		PCB 8081		Pb		8081	
109		110		111		112		PCB 8081		VOC's		8081	
110		111		112		113		PCB 8081		Pb		8081	
111		112		113		114		PCB 8081		VOC's		8081	
112		113		114		115		PCB 8081		Pb		8081	
113		114		115		116		PCB 8081		VOC's		8081	
114		115		116		117		PCB 8081		Pb		8081	
115		116		117		118		PCB 8081		VOC's		8081	
116		117		118		119		PCB 8081		Pb		8081	
117		118		119		120		PCB 8081		VOC's		8081	
118		119		120		121		PCB 8081		Pb		8081	
119		120		121		122		PCB 8081		VOC's		8081	
120		121		122		123		PCB 8081		Pb		8081	
121		122		123		124		PCB 8081		VOC's		8081	
122		123		124		125		PCB 8081		Pb		8081	
123		124		125		126		PCB 8081		VOC's		8081	
124		125		126		127		PCB 8081		Pb		8081	
125		126		127		128		PCB 8081		VOC's		8081	
126		127		128		129		PCB 8081		Pb		8081	
127		128		129		130		PCB 8081		VOC's		8081	
128		129		130		131		PCB 8081		Pb		8081	
129		130		131		132		PCB 8081		VOC's		8081	
130		131		132		133		PCB 8081		Pb		8081	
131		132		133		134		PCB 8081		VOC's		8081	
132		133		134		135		PCB 8081		Pb		8081	
133		134		135		136		PCB 8081		VOC's		8081	
134		135		136		137		PCB 8081		Pb		8081	
135		136		137		138		PCB 8081		VOC's		8081	
136		137		138		139		PCB 8081		Pb		8081	
137		138		139		140		PCB 8081		VOC's		8081	
138		139		140		141		PCB 8081		Pb		8081	
139		140		141		142		PCB 8081		VOC's		8081	
140		141		142		143		PCB 8081		Pb		8081	
141		142		143		144		PCB 8081		VOC's		8081	
142		143		144		145		PCB 8081		Pb		8081	
143		144		145		146		PCB 8081		VOC's		8081	
144		145		146		147		PCB 8081		Pb		8081	
145		146		147		148		PCB 8081		VOC's		8081	
146		147		148		149		PCB 8081		Pb		8081	
147		148		149		150		PCB 8081		VOC's		8	

Cathy Gartner

From: Holman, Dale [Dholman@TheITGroup.com]
Sent: Friday, March 10, 2000 9:45 AM
To: 'Cathy Gartner'
Cc: Spicer, James F
Subject: WR Black SPLP

Cathy,

Please analyze by SPLP for 8 RCRA metals on the following WR
Black samples:

B15A 3.0-3.5 ✓

B11A 2.5-3.0 ~

B5A 0-1

Please contact me if you have any questions (I'll be out of
the office next week so you may have to contact that sneaky Pete guy).

Thanks.

J. Dale Holman
IT Corporation
713-996-4492
dholman@theitgroup.com <<mailto:dholman@theitgroup.com>>

SAMPLE REQUEST FROM SAMPLE STORAGE

CLIENT: IT - TNRCC

ACCOUNT #: 9278

DSI DSK DSS

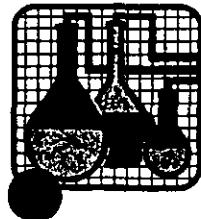
LAB #: 00a25125, 25109, 25111

CONTAINERS: 4 oz plastic

REQUEST: Please run SPLP metals

5 Day TAT

Cathy



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST FWY, STE 310
HOUSTON, TX 77040

Lab Number: 00-A32115
Sample ID: B15A 3-3.5
Sample Type: Soil
Site ID:

Project: #804986
Project Name: WR BLACK
Sampler: J. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:36
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
---------	--------	-------	--------------	------------	------------	------	------	---------	--------	-------

GENERAL CHEMISTRY PARAMETERS

Arsenic, Total	ND	ng/l	0.0050	0.0050	1	3/15/00	8:16	R. Kelley	60106	8659
Barium, Total	0.0190	ng/l	0.0100	0.0100	1	3/15/00	8:16	R. Kelley	60106	8659
Cadmium, total	ND	ng/l	0.0010	0.0010	1	3/15/00	8:16	R. Kelley	60106	8659
Chromium, total	ND	ng/l	0.0050	0.0050	1	3/15/00	8:16	R. Kelley	60106	8659
Lead	ND	ng/l	0.0050	0.0050	1	3/15/00	8:16	R. Kelley	60106	8659
Mercury, Total	ND	ng/l	0.00020	0.00020	1	3/14/00	6:47	G. McCord	7470	8168
Selenium, Total	ND	ng/l	0.0050	0.0050	1	3/15/00	8:16	R. Kelley	60106	8659
Silver, Total	ND	ng/l	0.00500	0.00500	1	3/15/00	8:16	R. Kelley	60106	8659

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Analyst	Method
SPLP Extraction				3/10/00	C. Bates	1312

All water analysis performed on an SPLP extraction.

Sample report continued . . .



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: OO-A32115
Sample ID: G15A 3-3.5

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 3/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lase, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.

COPY 1



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OC-A32116
Sample ID: BSA C-1
Sample Type: Soil
Site ID:

Project: #804988
Project Name: WR BLACK
Sampler: J. HOLMAN

Date Collected: 2/24/00
Time Collected: 9:45
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Rxn Limit	Dil Factor	Date	Time	Analyst	Method	Batch
---------	--------	-------	--------------	-----------	------------	------	------	---------	--------	-------

GENERAL CHEMISTRY PARAMETERS

Arsenic, Total	ND	ng/l	0.0050	0.0050	1	3/15/00	8:18	R. Kelley	6010B	8639
Barium, Total	0.0388	ng/l	0.0100	0.0100	1	3/15/00	8:18	R. Kelley	6010B	8639
Cadmium, total	ND	ng/l	0.0010	0.0010	1	3/15/00	8:18	R. Kelley	6010B	8639
Chromium, total	ND	ng/l	0.0050	0.0050	1	3/15/00	8:18	R. Kelley	6010B	8639
Lead	0.0236	ng/l	0.0030	0.0030	1	3/15/00	8:18	R. Kelley	6010B	8639
Mercury, Total	ND	ng/l	0.00020	0.00020	1	3/14/00	6:47	G. McCord	7470	8168
Selenium, Total	ND	ng/l	0.0050	0.0050	1	3/15/00	8:18	R. Kelley	6010B	8639
Silver, Total	ND	ng/l	0.00500	0.00500	1	3/15/00	8:18	R. Kelley	6010B	8639

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Analyst	Method
SPLP Extraction			3/10/00	C. Bates	1312

All water analysis performed on an SPLP extraction.

Sample report continued . . .



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: OO-A32116
Sample ID: BSA O-1

Page 2

These results relate only to the items tested.
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permission of the laboratory.

Report Approved By:

Report Date: 3/15/00

Theodore J. Duollo, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.

COPY 1



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	Units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	R.C. Batch
Arsenic, Total	ng/l	0.0060	0.0600	0.0500	108	80 - 120	8659
Barium, Total	ng/l	0.1210	2.110	2.000	99	80 - 120	8659
Cadmium, total	ng/l	< 0.0010	0.0490	0.0500	98	80 - 120	8659
Chromium, total	ng/l	< 0.0050	0.1950	0.2000	98	80 - 120	8659
Lead	ng/l	< 0.0030	0.0500	0.0500	100	80 - 120	8659
Mercury, Total	ng/l	< 0.00020	0.00117	0.00100	117	80 - 120	8168
Selenium, Total	ng/l	< 0.0050	0.0530	0.0500	106	80 - 120	8659
Silver, Total	ng/l	< 0.00500	0.04700	0.05000	94	80 - 120	8659

Matrix Spike Duplicate

Analyte	Units	Orig. Val.	Duplicate	RPD	Limit	R.C. Batch
Arsenic, Total	ng/l	0.0600	0.0570	5.13	20	8659
Barium, Total	ng/l	2.110	2.040	3.37	20	8659
Cadmium, total	ng/l	0.0490	0.0480	2.06	20	8659
Chromium, total	ng/l	0.1950	0.1900	2.60	20	8659
Lead	ng/l	0.0500	0.0500	0.00	20	8659
Mercury, Total	ng/l	0.00117	0.00094	21.60*	20	8168
Selenium, Total	ng/l	0.0530	0.0530	0.00	20	8659
Silver, Total	ng/l	0.04700	0.04600	2.15	20	8659

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
Arsenic, Total	ng/l	0.0500	0.0540	108	70 - 130	8659
Barium, Total	ng/l	2.000	1.970	100	70 - 130	8659
Cadmium, total	ng/l	0.0500	0.0490	98	70 - 130	8659
Chromium, total	ng/l	0.2000	0.1890	94	70 - 130	8659
Lead	ng/l	0.0500	0.0490	98	70 - 130	8659
Mercury, Total	ng/l	0.00100	0.00111	111	70 - 130	8168
Selenium, Total	ng/l	0.0500	0.0530	106	70 - 130	8659
Silver, Total	ng/l	0.05000	0.04700	94	70 - 130	8659

Blank Data

Analyte	Blank Value	Units	R.C. Batch
Arsenic, Total	< 0.0050	ng/l	8659
Barium, Total	< 0.0100	ng/l	8659
Cadmium, total	< 0.0010	ng/l	8659
Chromium, total	< 0.0050	ng/l	8659
Lead	< 0.0030	ng/l	8659

Project QC continued . . .



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	O.C. Match
Mercury, Total	< 0.00020	µg/l	8166
Selenium, Total	< 0.0030	µg/l	8639
Silver, Total	< 0.00500	µg/l	8639

TestAmerica

22960 Porter Chelton Drive • Nashville, TN 37204
(800) 725-0900 • (615) 726-0177 • Fax (615) 726-3404

183180

8B-03986

Company	FORT WORTH CHIEF ENGINE CO 1 NRCC - RFO		Client Number	9278	
Address	1000 N MACARTHUR BLVW, STE 310				
City	Fort Worth	St	TX	Zip	76104-77040
Sampler/Sign/Print	<i>J. David Jackson T. J. Oak Holman</i>		Proj. #	804988	
Project Name					
Facility Location (CITY/STATE)					
Project Manager	<i>J. David Jackson</i>				
PO Number	<i>100226</i>		/Fac./Site I.D.	8	
Phone Number	<i>(817) 735-1956</i>		Fax Number	139399546	

ANALYSIS REQUEST

**CUSTODY
RECORD**

www.123RF.com

Then quashed by sample

Date Time
2-24-00 1300

Temperature Received
Airbill Number

Date Time Received by: Laboratory

SAMPLE REQUEST FROM SAMPLE STORAGE

CLIENT: IT - TNRCC

ACCOUNT #: 9278

DSJ DSK DSS

LAB #: 00a25125, 25109, 25111

CONTAINERS: 4 oz plastic

REQUEST: Please run SPLP metals

5 Day TAT

Cathy

Cathy Gartner

From: Holman, Dale [Dholman@TheITGroup.com]
Subject: Friday, March 10, 2000 9:45 AM
To: 'Cathy Gartner'
Cc: Spicer, James F
Subject: WR Black SPLP

Cathy,

Please analyze by SPLP for 8 RCRA metals on the following WR Black samples:

B15A 3.0-3.5

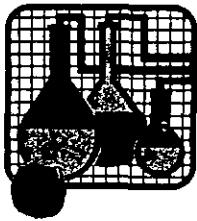
B11A 2.5-3.0

B5A 0-1

Please contact me if you have any questions (I'll be out of the office next week so you may have to contact that sneaky Pete guy).

Thanks.

J. Dale Holman
IT Corporation
713-996-4492
dholman@theitgroup.com <<mailto:dholman@theitgroup.com>>



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A32112
Sample ID: S11A 2.5-3
Sample Type: Soil
Site ID:

Project:
Project Name:
Sampler: J. HOLMAN

Date Collected: 2/24/00
Time Collected: 10:35
Date Received: 3/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS										
Arsenic, Total	0.0060	ng/l	0.0050	0.0050	1	3/15/00	8:18	R. Kelley	6010B	8659
Barium, Total	0.1210	ng/l	0.0100	0.0100	1	3/15/00	8:18	R. Kelley	6010B	8659
Cadmium, total	ND	ng/l	0.0010	0.0010	1	3/15/00	8:18	R. Kelley	6010B	8659
Chromium, total	ND	ng/l	0.0050	0.0050	1	3/15/00	8:18	R. Kelley	6010B	8659
Lead	ND	ng/l	0.0030	0.0030	1	3/15/00	8:18	R. Kelley	6010B	8659
Mercury, Total	ND	ng/l	0.00020	0.00020	1	3/14/00	6:47	G. McCord	7470	8168
Selenium, Total	ND	ng/l	0.0050	0.0050	1	3/15/00	8:18	R. Kelley	6010B	8659
Silver, Total	ND	ng/l	0.00500	0.00500	1	3/15/00	8:18	R. Kelley	6010B	8659

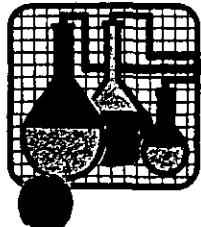
ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Analyst	Method
SPLP Extraction			3/10/00	C. Bates	1312

All water analysis performed on an SPLP extraction.

Sample report continued . . .



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ANALYTICAL REPORT

Laboratory Number: OO-A32112
Sample ID: E114 2.5-3

Page 2

These results relate only to the items tested.
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permission of the laboratory.

Report Approved By:

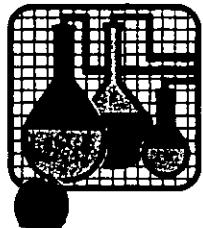
Report Date: 3/15/00

Theodore J. Duell, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnang A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lase, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.

COPY 1



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PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Brig. Val.	MS Val	Spike Conc	Recovery	Target Range	R.C. Batch
Arsenic, Total	ng/l	0.0060	0.0600	0.0500	108	80 - 120	8659
Barium, Total	ng/l	0.1210	2.110	2.000	99	80 - 120	8659
Cadmium, total	ng/l	< 0.0010	0.0490	0.0500	98	80 - 120	8659
Chromium, total	ng/l	< 0.0050	0.1950	0.2000	98	80 - 120	8659
Lead	ng/l	< 0.0030	0.0500	0.0500	100	80 - 120	8659
Mercury, Total	ng/l	< 0.00020	0.00117	0.00100	117	80 - 120	8168
Selenium, Total	ng/l	< 0.0050	0.0530	0.0500	106	80 - 120	8659
Silver, Total	ng/l	< 0.00500	0.04700	0.05000	94	80 - 120	8659

Matrix Spike Duplicate

Analyte	units	Brig. Val.	Duplicate	RPD	Limit	R.C. Batch
Arsenic, Total	ng/l	0.0600	0.0570	5.13	20	8659
Barium, Total	ng/l	2.110	2.040	3.57	20	8659
Cadmium, total	ng/l	0.0490	0.0480	2.06	20	8659
Chromium, total	ng/l	0.1950	0.1900	2.60	20	8659
Lead	ng/l	0.0500	0.0500	0.00	20	8659
Mercury, Total	ng/l	0.00117	0.00094	21.804	20	8168
Selenium, Total	ng/l	0.0530	0.0530	0.00	20	8659
Silver, Total	ng/l	0.04700	0.04600	2.15	20	8659

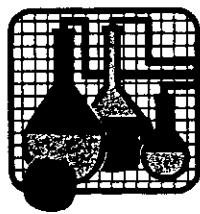
Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
Arsenic, Total	ng/l	0.0500	0.0540	108	70 - 130	8659
Barium, Total	ng/l	2.000	1.990	100	70 - 130	8659
Cadmium, total	ng/l	0.0500	0.0490	98	70 - 130	8659
Chromium, total	ng/l	0.2000	0.1890	94	70 - 130	8659
Lead	ng/l	0.0500	0.0490	98	70 - 130	8659
Mercury, Total	ng/l	0.00100	0.00111	111	70 - 130	8168
Selenium, Total	ng/l	0.0500	0.0530	106	70 - 130	8659
Silver, Total	ng/l	0.05000	0.04700	94	70 - 130	8659

Blank Data

Analyte	Blank Value	Units	R.C. Batch
Arsenic, Total	< 0.0050	ng/l	8659
Barium, Total	< 0.0100	ng/l	8659
Cadmium, total	< 0.0010	ng/l	8659
Chromium, total	< 0.0050	ng/l	8659
Lead	< 0.0030	ng/l	8659

Project RC continued . . .



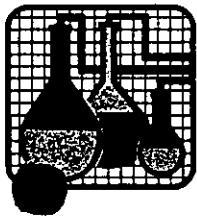
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Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	R.C. Batch
Mercury, Total	< 0.00020	ng/l	8163
Selenium, Total	< 0.0050	ng/l	8659
Silver, Total	< 0.00500	ng/l	8659



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ANALYTICAL REPORT

AT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OC-A25119
Sample ID: DRUM-1A
Sample Type: Solid waste
Site ID:

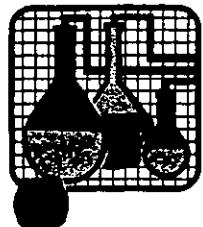
Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 11:05
Date Received: 2/25/00
Time Received: 9:00

ICP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Time	Analyst	Method
Arsenic	< 0.100	ng/l	2.0	102	3/ 2/00	14:06	E.Robinson	6010B
Barium	< 1.00	ng/l	100	95	3/ 2/00	14:06	E.Robinson	6010B
Cadmium	< 0.100	ng/l	1.0	83	3/ 2/00	14:06	E.Robinson	6010B
Chromium	< 0.500	ng/l	5.0	86	3/ 2/00	14:06	E.Robinson	6010B
Lead	< 0.500	ng/l	5.0	95	3/ 2/00	14:06	E.Robinson	6010B
Mercury	< 0.0100	ng/l	0.20	104	3/ 2/00	7:49	E.McCord	7470A
Selenium	< 0.100	ng/l	1.0	107	3/ 2/00	14:06	E.Robinson	6010B
Silver	< 0.100	ng/l	5.0	90	3/ 2/00	14:06	E.Robinson	6010B
Toluene	< 0.050	ng/l	0.5	100	3/ 2/00	16:36	K.Hill	8260
Carbon tetrachloride	< 0.050	ng/l	0.5	100	3/ 2/00	16:36	K.Hill	8260
Chlorobenzene	< 10.0	ng/l	100	88	3/ 2/00	16:36	K.Hill	8260
Chloroform	< 0.050	ng/l	6.0	32	3/ 2/00	16:36	K.Hill	8260
1,2-Dichloroethane	< 0.050	ng/l	0.5	66	3/ 2/00	16:36	K.Hill	8260
1,1-Dichloroethene	< 0.070	ng/l	0.7	83	3/ 2/00	16:36	K.Hill	8260
Methyl ethyl ketone	< 20.0	ng/l	200	74	3/ 2/00	16:36	K.Hill	8260
Tetrachloroethene	< 0.070	ng/l	0.7	118	3/ 2/00	16:36	K.Hill	8260
Trichloroethane	< 0.050	ng/l	0.5	104	3/ 2/00	16:36	K.Hill	8260
Vinyl Chloride	< 0.020	ng/l	0.2	86	3/ 2/00	16:36	K.Hill	8260
Gresols	< 0.013	ng/l	200	37	3/ 4/00	2:17	M.Cobb	8270
1,4-Dichlorobenzene	< 0.013	ng/l	7.5	32	3/ 4/00	2:17	M.Cobb	8270
2,4-Dinitrotoluene	< 0.013	ng/l	0.13	64	3/ 4/00	2:17	M.Cobb	8270
Hexachlorobenzene	< 0.013	ng/l	0.13	30	3/ 4/00	2:17	M.Cobb	8270
Hexachlor-1,3-butadien	< 0.013	ng/l	0.5	60	3/ 4/00	2:17	M.Cobb	8270
Hexachloroethane	< 0.013	ng/l	5.0	52	3/ 4/00	2:17	M.Cobb	8270
Mitrobenzene	< 0.013	ng/l	2.0	58	3/ 4/00	2:17	M.Cobb	8270
Pentachlorophenol	< 0.013	ng/l	100	34	3/ 4/00	2:17	M.Cobb	8270
Pyridine	< 0.013	ng/l	5.0	16	3/ 4/00	2:17	M.Cobb	8270
1,4,3-Trichlorophenol	< 0.013	ng/l	400	38	3/ 4/00	2:17	M.Cobb	8270
2,4,6-Trichlorophenol	< 0.013	ng/l	2.0	36	3/ 4/00	2:17	M.Cobb	8270
Chlordane	< 0.00300	ng/l	0.030	238	3/ 2/00	13:44	R.Hunt	6081A
2,4-D	< 1.00	ng/l	10.0	147	3/ 2/00	13:43	R.Hunt	8151A
Endrin	< 0.0070	ng/l	0.02	223	3/ 2/00	13:44	R.Hunt	6081A
Heptachlor	< 0.0002	ng/l	0.002	160	3/ 2/00	13:44	R.Hunt	6081A
Indane	< 0.0400	ng/l	0.4	181	3/ 2/00	13:44	R.Hunt	6081A
Methoxychlor	< 1.000	ng/l	10.0	267	3/ 2/00	13:44	R.Hunt	6081A

Sample report continued . . .



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ANALYTICAL REPORT

Laboratory Number: OG-A25119
Sample ID: DRUM-1A

Page 2

TCLP Results

Analyst	Result	Units	Reg Limit	Matrix Spike		Date	Time	Analyst	Method
				Recovery (%)	Date				
Toxaphene	< 0.050	ng/l	0.50	301		3/ 2/00	13:44	R. Hunt	8081A
Silvex	< 0.100	ng/l	1.0	93		3/ 2/00	13:43	R. Hunt	8151A
Heptachlor epoxide	< 0.0008	ng/l	0.008	138		3/ 2/00	13:44	R. Hunt	8081A
TCLP Extraction	Initiated					2/26/00	16:00	K. Bundy	1311
Zero Headspace Extraction	Initiated					2/26/00	16:00	K. Bundy	1311

ND = Not detected at the report limit.

TCLP preparation follows method 1311, SW-846 Revision 3.

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	94.	60. - 138.
VOA Surrogate, Toluene d8	107.	80. - 123.
VOA Surrogate, 4-Bromo Fluorobenzene	91.	75. - 122.
surr-Nitrobenzene-d5	66.	15. - 105.
surr-2-Fluorobiphenyl	62.	17. - 110.
surr-Terphenyl d14	74.	10. - 116.
surr-Phenol d5	42.	10. - 100.
surr-2-Fluorophenol	52.	8. - 100.
surr-2,4,6-Tribromophenol	56.	15. - 134.
pest surr-TCMX	102.	20. - 122.
surr-Dibutylchloroendate	98.	10. - 120.
surr-DCPAA	118.	20. - 130.

These results relate only to the items tested.

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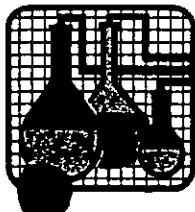
Report Approved By: John A. Dunn

Report Date: 3/ 4/00

Theodore J. Duelle, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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ANALYTICAL REPORT

ET CORP-HOUSTON (TNRCC-REG III) 927B
PETE SPICER
13111 NORTHWEST Fwy. STE 310
HOUSTON, TX 77040

Lab Number: 00-A25117
Sample ID: EB-1A
Sample Type: Water
Site ID:

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 11:00
Date Received: 2/25/00
Time Received: 9:00

Analyst	Result	Units	Report Limit	Run Limit	BIL Factor	Date	Time	Analyst	Method	Batch
---------	--------	-------	--------------	-----------	------------	------	------	---------	--------	-------

GENERAL CHEMISTRY PARAMETERS

Lead	ND	ng/l	0.0030	0.0030	1	2/29/00	7:38	R. Kelley	6010R	9347
Analytical Services	See note									

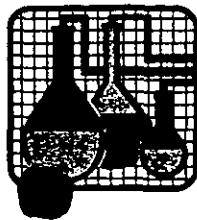
ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Extracted Vol	Extract Vol	Date	Analyst	Method
EPH	33. ml	2.5 ml	3/ 2/00	C. Terry	EPH

c6-c35 = <2.5 mg/L

Sample report continued . . .



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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: OO-A25117
Sample ID: EB-1A

Page 2

Unadjusted hydrocarbon range data exclude concentrations of any surrogate and internal standards eluting in that range.
C11-C22 Aromatic hydrocarbons exclude concentration of PAH's.

CERTIFICATION

All RA/GC procedures REQUIRED by the UFM/EPH method(s) were followed.

All performance/acceptance standards for required RA/GC procedures were achieved.

Modifications made to the UFM/EPH method(s) specified in Sect. 11.3: Internal standard used for PID targets and surrogate elute prior to 1,2,4-trimethylbenzene.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by: Mark D. Dunn

Theodore J. Duellc, Ph.D., Lab Mgr.

Michael H. Dunn, M.S., Technical Dir.

Eric Smith, Asst. Technical Dir.

Johnny A. Mitchell, Technical Serv. Dir.

Gail A. Lago, Technical Services

End of Sample Report.

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PROJECT QUALITY CONTROL DATA**Matrix Spike Recovery**

Analyte	units	Orig. Val.	% Val	Spike Conc	Recovery	Target Range	R.C. Batch
Lead	ng/kg	2.028	95.898	100.000	94	80 - 120	9354
Lead	ng/kg	84.381	130.339	100.000	98%	80 - 120	9353
Lead	ng/kg	244.046	290.909	100.000	97%	80 - 120	217

Matrix Spike Duplicate

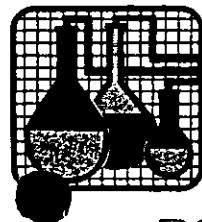
Analyte	units	Orig. Val.	Duplicate	RPD	Limit	R.C. Batch
Lead	ng/kg	95.898	95.303	0.62	20	9354
Lead	ng/kg	130.339	131.412	0.82	20	9353
Lead	ng/kg	290.909	281.376	3.33	20	217

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
Lead	ng/kg	100.000	98.000	98	70 - 130	9354
Lead	ng/kg	100.000	97.600	98	70 - 130	9353
Lead	ng/kg	100.000	91.400	91	70 - 130	217

Blank Data

Analyte	Blank Value	Units	R.C. Batch
Lead	< 1.000	ng/kg	9354
Lead	< 1.000	ng/kg	9353
Lead	< 1.000	ng/kg	217

**SPECIALIZED ASSAYS, INC.**

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Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA**Matrix Spike Recovery**

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	R.C. Batch
Lead	ng/l	< 0.0030	0.0460	0.0500	92	80 - 120	9347
Lead	ng/kg	2.020	95.898	100.000	94	80 - 120	9354

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	R.C. Batch
Lead	ng/l	0.0460	0.0470	2.15	20	9347
Lead	ng/kg	95.898	95.303	0.62	20	9354

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
Lead	ng/l	0.0500	0.0470	94	70 - 130	9347
Lead	ng/kg	100.000	98.000	98	70 - 130	9354
Arsenic	ng/l	1.00	1.04	104	70 - 130	1584
Barium	ng/l	10.0	10.0	100	70 - 130	1584
Cadmium	ng/l	1.00	0.935	94	70 - 130	1584
Chromium	ng/l	3.00	4.67	93	70 - 130	1584
Lead	ng/l	5.000	4.790	76	70 - 130	1584
Mercury	ng/l	0.1000	0.1020	102	70 - 130	1555
Selenium	ng/l	1.00	1.06	106	70 - 130	1584
Silver	ng/l	1.00	0.936	94	70 - 130	1584

Blank Data

Analyte	Blank Value	Units	R.C. Batch
Lead	< 0.0030	ng/l	9347
Lead	< 1.000	ng/kg	9354
Arsenic	< 0.100	ng/l	1584
Barium	< 1.00	ng/l	1584
Cadmium	< 0.100	ng/l	1584
Chromium	< 0.500	ng/l	1584
Lead	< 0.500	ng/l	1584
Mercury	< 0.0100	ng/l	1555
Selenium	< 0.100	ng/l	1584
Silver	< 0.100	ng/l	1584
Benzene	< 0.050	ng/l	2366
Carbon tetrachloride	< 0.050	ng/l	2366
Chlorobenzene	< 10.0	ng/l	2366
Chloroform	< 0.060	ng/l	2366
1,2-Dichloroethane	< 0.050	ng/l	2366

Project QC continued . . .

**SPECIALIZED ASSAYS, INC.**

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PROJECT QUALITY CONTROL DATA**Blank Data**

Analyte	Blank Value	Units	R.C. Batch
1,1-Dichloroethene	< 0.070	ng/l	2366
Methyl Ethyl Ketone	< 20.0	ng/l	2366
Tetrachloroethene	< 0.070	ng/l	2366
Trichloroethene	< 0.050	ng/l	2366
Vinyl Chloride	< 0.020	ng/l	2366
Cresols	< 0.010	ng/l	3734
1,4-Dichlorobenzene	< 0.010	ng/l	3734
2,4-Dinitrotoluene	< 0.010	ng/l	3734
Hexachlorobenzene	< 0.010	ng/l	3734
Hexachlor-1,3-butadien	< 0.010	ng/l	3734
Hexachloroethane	< 0.010	ng/l	3734
Nitrobenzene	< 0.010	ng/l	3734
Pentachlorophenol	< 0.010	ng/l	3734
Pyridine	< 0.010	ng/l	3734
2,4,5-Trichlorophenol	< 0.010	ng/l	3734
2,4,6-Trichlorophenol	< 0.010	ng/l	3734
Chlordane	< 0.00300	ng/l	2304
2,4-D	< 1.00	ng/l	2292
Endrin	< 0.0020	ng/l	2304
Heptachlor	< 0.0003	ng/l	2304
Lindane	< 0.0400	ng/l	2304
Methoxychlor	< 1.000	ng/l	2304
Toxaphene	< 0.050	ng/l	2304
Silvex	< 0.100	ng/l	2292
Heptachlor epoxide	< 0.0003	ng/l	2304



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OC-A25128
Sample ID: B11A G-1
Sample Type: Soil
Site ID:

BIA

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:52
Date Received: 2/25/00
Time Received: 9:00

Analyst	Result	Units	Report Limit	Quan Limit	Oil Factor	Date	Time	Analyst	Method	Batch
---------	--------	-------	--------------	------------	------------	------	------	---------	--------	-------

METALS

Lead	5.499	ng/kg	1.013	1.000	1	2/29/00	6:43	R. Kelley	6010B	9354
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ND = Not detected at the report limit.

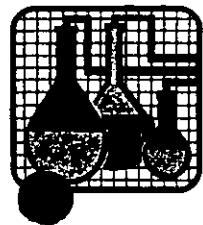
These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: Mark A. Vanek Report Date: 3/ 4/00

Theodore J. Duella, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

End of Sample Report.



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Nashville, TN 37204-0566
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ANALYTICAL REPORT

IT CORP-HOUSTON (TNRCC-REG III) 9278
PETE SPICER
13111 NORTHWEST Fwy, STE 310
HOUSTON, TX 77040

Lab Number: OO-A25129
Sample ID: B11A 3-4
Sample Type: Soil
Site ID:

BIA

Project: 804988
Project Name: WR BLACK
Sampler: J. DALE HOLMAN

Date Collected: 2/24/00
Time Collected: 10:55
Date Received: 2/25/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Ruan Limit	BIL Factor	Date	Time	Analyst	Method	Batch
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METALS

Lead 140.932 mg/kg 0.752 0.752 1 2/29/00 6:43 R. Kelley 60100 9354

ND = Not detected at the report limit.

These results relate only to the items tested.
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permission of the laboratory.

Report Approved By: Mark A. Dunn Report Date: 3/ 4/00

Theodore J. Duella, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

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End of Sample Report.



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PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	R.C. Batch
Lead	ng/kg	84.381	130.339	100.000	46%	80 - 120	9353

Matrix Spike Duplicate

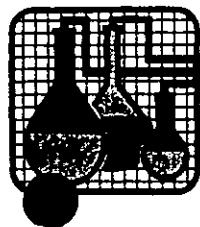
Analyte	units	Orig. Val.	Duplicate	RPD	Limit	R.C. Batch
Lead	ng/kg	130.339	131.412	0.82	20	9353

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
Lead	ng/kg	100.000	97.600	98	70 - 130	9353

Blank Data

Analyte	Blank Value	Units	R.C. Batch
Lead	< 1.000	ng/kg	9353

**SPECIALIZED ASSAYS, INC.**

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PROJECT QUALITY CONTROL DATA**Matrix Spike Recovery**

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
Lead	mg/kg	2.020	95.898	100.000	94	80 - 120	9354

Matrix Spike Duplicate

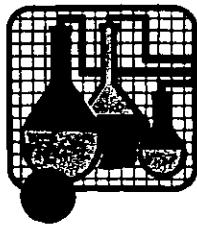
Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Lead	mg/kg	95.898	95.303	0.62	20	9354

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Lead	mg/kg	100.000	98.000	98	70 - 130	9354

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Lead	< 1.000	mg/kg	9354



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3/ 6/00

IT CORP-HOUSTON(TNRCC-REG III)
PETE SPICER
HOUSTON, TX 77040

The following samples were received on 2/25/00. These samples relate to your project: 804988 WR BLACK. The laboratory project number is 181471.

Sample Identification	Lab Number	Collection Date
B7A 0-1	00-A25086	2/24/00
B7A 3-4	00-A25087	2/24/00
B12A 0-0.5	00-A25088	2/24/00
B12A .5-1.0	00-A25089	2/24/00
B12A 1.0-1.5	00-A25090	2/24/00
B12A 1.5-2.0	00-A25091	2/24/00
B12A 2.0-2.5	00-A25092	2/24/00
B12A 2.5-3.0	00-A25093	2/24/00
B12A 3.0-3.5	00-A25094	2/24/00
B12A 3.5-4.0	00-A25095	2/24/00
B13A 0-1	00-A25096	2/24/00
B13A 3-4	00-A25097	2/24/00
B30A	00-A25098	2/24/00
B10A 0-1	00-A25099	2/24/00
B10A 3-4	00-A25100	2/24/00
B40A	00-A25101	2/24/00



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Page 2

Quality Control Summary:

All samples were received in good condition, properly preserved, and properly labeled.

All analyses were completed within holding times. Matrix spike analysis for this batch is reported with Lead recovery below laboratory historical levels at 46 %. Laboratory control results were within required historical limits.

I certify that the data presented in this report are, to the best of my knowledge, accurate and complete.

Michael H. Dunn

Michael H. Dunn, M.S., Technical Director
Ted J. Dueillo, Ph.D., Lab Director
Eric Smith, Assistant Technical Director
Johnny A. Mitchell, B.S., Dir. Technical Services
Gail A. Lage, Technical Services